

# MeetHD



C2023.11

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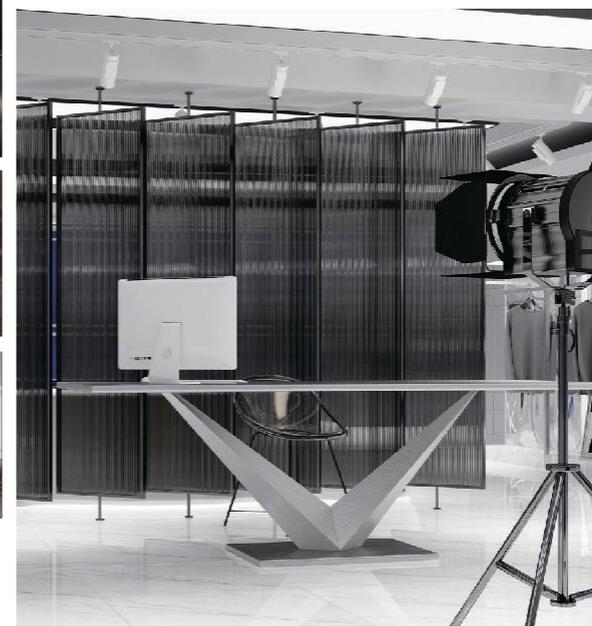
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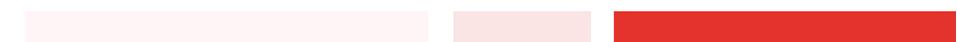
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# PROFESSIONAL CAMERA



## Application Scenarios

ProAV industrial, video conference, digital courts, healthcare  
live streaming, stadium, etc



## 4K Ultra HD Serial (60fps)

# 4K Intelligent Professional NDI PTZ Camera

## UAI4VX751BA / UAI4VX751BAG / UAI4VX752A / UAI4VX752AG

Equipped with high quality 4K CMOS sensor ,support max 4KP60fps output, utilize the built-in AI capability and algorithm, camera can support body tracking and other tracking feature, best choice for live streaming, conferencing and education.



VX751BA / VX751BAG



VX752A / VX752AG

## Features

**▼ 4K60FPS**  
 VX752A / VX752AG:  
 Use a high-quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels.  
 VX751BA / VX751BAG:  
 Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels.  
 Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

**▼ Optical Zoom + Wide -angle Lens**  
 VX751BA / VX751BAG:  
 4K optical lens, support max 12x optical zoom and 80.8° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.  
 VX752A / VX752AG:  
 4K optical lens, support max 20x optical zoom and 60° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

**▼ AI Smart Tracking**  
 With the built-in AI capability and algorithms, camera can support multiple tracking modes,including body tracking, hybrid tracking and etc.

**▼ Remote Control**  
 VX751BA / VX752A:  
 Support multiple ways of control, like RS232, RS485, Network and USB.  
 VX751BAG / VX752AG:  
 Support multiple ways of control, like RS232, RS422/RS485, Network and USB.

**▼ Gravity Sensor1**  
 Support image flipping, apply to head-up/head-down installation.

**▼ Low Illumination**  
 The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment,camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

**▼ Non-compressed Video Stream**  
 VX751BA / VX752A:  
 HDMI2.0 and 3G-SDI I/O, can output non-compressed video stream.  
 VX751BAG / VX752AG:  
 HDMI2.0 , 12G-SDI I/O, can output non-compressed 4KP60 video stream.

**▼ NDI@|HX21**  
 Support low-latency NDI@|HX2 protocol, plug to play, minimal configuration and easy for deployment.

**▼ Multiple Interfaces**  
 VX751BA / VX752A:  
 HDMI2.0, USB2.0/3.0, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, USB, LAN streaming simultaneously<sup>2</sup>.  
 VX751BAG / VX752AG:  
 HDMI2.0, USB2.0/3.0, 12G-SDI, LAN. Support HDMI, 12G-SDI, USB, LAN streaming simultaneously.

Remark:  
 1. This function is optional.  
 2. For simultaneous output of 4 HD digital signals, please contact the manufacturer for specific version support.

## Product Specification

▼ Difference	VX751BA	VX752A	VX751BAG	VX752AG
Signal System	3G-SDI: 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25;1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94;		12G-SDI: 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94;	
Sensor	1/2.5 inches, CMOS, Effective 1/1.8 inches, CMOS, Effective Pixels: 8.51 Megapixel	1/1.8 inches, CMOS, Effective 1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixel	1/2.5 inches, CMOS, Effective 1/1.8 inches, CMOS, Effective Pixels: 8.51 Megapixel	1/1.8 inches, CMOS, Effective 1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixel
Lens	12x, f=3.47mm~41.65mm, 20x, f=6.25mm~125mm, F1.84~F3.72 F1.58~F3.95		12x, f=3.47mm~41.65mm, 20x, f=6.25mm~125mm, F1.84~F3.72 F1.58~F3.95	
Horizontal FOV	80.8°-7.5°~60° ~ 3.5°		80.8°-7.5°~60° ~ 3.5°	
Vertical FOV	49.9° ~ 4.3°~35.7° ~ 2.0°		49.9° ~ 4.3°~35.7° ~ 2.0°	
USB Video Format	YUY2: Max.1080P30(USB3.0)1; YUY2: Max.1080P5(USB2.0); H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30 1 x HDMI: Version 2.0;		YUY2: Max.1080P5; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30 1 x HDMI: Version 2.0;	
HD Output	1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE424M standard 1 x USB2.0: Type-C(Optional upgrade to USB3.0)		1 x 12G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE2082 standard 1 x USB2.0: Type-C	
USB Interface	1 x RS485: 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P		1 x RS422/RS485: 4/2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P	
Control Interface				

### ▼ Camera Spec

Signal System	HDMI: 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight	Support
Compensation	Digital 3D Digital Noise Reduction
Noise Reduction SNR	≥55dB
Tilt Angle	-30° ~ +90°
Pan Angle	±162.5°
Pan Speed	1.8° ~ 80°/s
Tilt Speed	1.5° ~ 49°/s
Image Flip	Support
Image Freeze	Support
PoE+	Support
Preset Position	≥55
Preset Accuracy	0.1°

### ▼ USB Spec

Operating System	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and Supported above version, Android needs to include the version of UVC-related drivers
USB Audio	Support
USB Video	Support
Communication Protocol	UVC 1.1~1.5
Color System / Compression	YUY2 / H.264 / MJPEG / H.265
UVC P12 Control	Support

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	720x576, 720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	IVBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI@ HX2, SRTP, TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.
Audio Compression	AAC, G711A

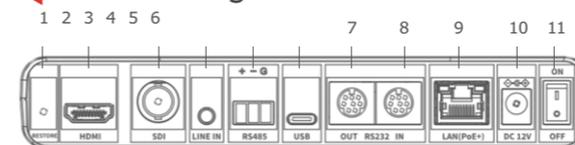
### ▼ I/O

Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1 x LINE IN: 3.5mm Jack
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)
Control Interface	1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only

### ▼ Generic Spec

Display Support	
Input Voltage	DC 12V / PoE+ (802.3at)
Input Current	2A (Max.)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W (Max.)
Dimension	223mm (W) x 163mm (D) x 166mm (H)
Net Weight	1.8kg

## Interface Diagram



- 1 — RESTORE
- 2 — HDMI
- 3 — SDI
- 4 — LINE IN
- 5 — RS485
- 6 — USB
- 7 — RS232 OUT
- 8 — RS232 IN
- 9 — LAN
- 1 — DC 12V
- 0 — ON/OFF
- 1
- 1

## 4K Ultra HD Serial (60fps)

# 4K Professional Super Telephoto PTZ Camera UAI4VX630AL



Designed for ProAV market, equipped with 30X large optical zoom, coupled with robust and reliable Pan/Tilt mechanical, achieve a smooth and precise tracking. Best choice for broadcasting, live streaming, stadiums and other scenarios need large optical zoom.



## Features

### ▼ 4K60FPS

Use a high-quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels. Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

### ▼ 30x Optical Zoom + 59° Wide-angle Lens

4K optical lens, support max 30x optical zoom and 59° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

### ▼ AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes, including body tracking, hybrid tracking and etc.

### ▼ Remote Control

Support multiple ways of control, like RS232, RS485, Network and USB.

### ▼ Non-compressed video stream

HDMI2.0 and 3G-SDI I/O, can output non-compressed video stream.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Gravity Sensor1

Support image flipping, apply to head-up/head-down installation.

### ▼ NDI@|HX21

Support low-latency NDI@|HX2 protocol, plug to play, minimal configuration and easy for deployment.

### ▼ Multiple Interfaces

HDMI2.0, USB2.0/3.0, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, USB, LAN streaming simultaneously<sup>2</sup>.

Remark:

1. This function is optional.
2. For simultaneous output of 4 HD digital signals, please contact the manufacturer for specific version support.

## Product Specification

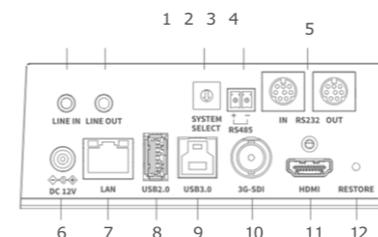
### ▼ Camera Spec

Signal System	HDMI: 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94; 3G-SDI: 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94;
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixel
Scanning Mode	Progressive
Lens	30x, F=11mm ~ 210mm, F1.61 ~ F5.19 16x
Digital Zoom	
Minimum Illumination	0.5Lux @ (F1.8, AGC ON) 1/30s ~ 1/10000s
Shutter	Auto, Indoor, Outdoor, One Push, Manual, VAR
White Balance	Support
Backlight Compensation	3D Digital Noise Reduction
Digital Noise Reduction SNR	≥55dB
Horizontal FOV	59.2° ~ 2.5°
Vertical FOV	34.6° ~ 1.4°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100°/s
Tilt Speed	1.7° ~ 69.9°/s
Image Flip	Support
Image Freeze	Support
PoE+	Support
Preset Position	255
Preset Accuracy	0.1°

### ▼ I/O

HD Output	1 x HDMI: Version 2.0; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
Network	1 x RJ45: 10M/100M/1000M adaptive Ethernet
Interface Audio	1 x LINE IN: 3.5mm Jack 1 x LINE OUT: 3.5mm Jack
Interface	1 x USB2.0, Type-A 1 x USB3.0, Type-B1
USB Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)

## Interface Diagram



### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	13840x2160, 1920x1080, 1280x720, 1024x576
etc. Second Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	IVBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI@ HX2, SRTP, TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.

### ▼ USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG / H.265
Video Format	YUY2: Max.1080P5 (USB2.0) ; YUY2: Max.1080P30 (USB3.0) 1; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

### ▼ Generic Spec

Input Voltage	DC 12V / PoE+ (802.3at)
Input Current	2A (Max.)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W (Max.)
Dimension	170mm (W) x 196mm (D) x 228mm (H)
Net Weight	2.0kg

- |                   |             |
|-------------------|-------------|
| 1 — LINE IN       | 7 — LAN     |
| 2 — LINE OUT      | 8 — USB2.0  |
| 3 — SYSTEM SELECT | 9 — USB3.01 |
| 4 — RS485         | 1 — 3G-SDI  |
| 5 — RS232 IN/OUT  | 0 — HDMI    |
| 6 — DC 12V        | 1 — RESTORE |
|                   | 1           |
|                   | 1           |
|                   | 2           |

## 4K Ultra HD Serial (60fps)

# 4K Intelligent Professional NDI Camera

UAI4VX60ASL / UAI4VX61ASL / UAI4VX61BASL



Designed for ProAV market, equipped with high quality 4K CMOS sensor ,built-in smart tracking capability, coupled with robust and reliable Pan/Tilt mechanical, achieve a smooth and precise tracking ,provide high quality A/V experiences and seamless communication for end users.



## Features

### ▼ 4K60FPS

**VX60ASL:**  
Use a high -quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels.  
**VX61ASL / VX61BASL:**  
Use a high -quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

### ▼ Optical Zoom + 4K Wide -angle Lens

**VX60ASL:**  
4K optical lens, support max 20× optical zoom(40× lossless in 1080P) and 60° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.  
**VX61ASL:**  
4K optical lens, support max 12× optical zoom(24× lossless in 1080P) and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.  
**VX61BASL:**  
4K optical lens, support max 12× optical zoom(24× lossless in 1080P) and 80.8° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

### ▼ AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes,including body tracking, hybrid tracking and etc.

### ▼ Remote Control

Support multiple ways of control, like RS232, RS485, Network and USB.

### ▼ Non-compressed video stream

HDMI2.0 and 3G-SDI I/O, can output non-compressed video stream.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment,camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Gravity Sensor1

Support image flipping, apply to head-up/head-down installation.

### ▼ NDI@|HX21

Support low-latency NDI@|HX2 protocol, plug to play, minimal configuration and easy for deployment.

### ▼ Multiple Interfaces

HDMI2.0, USB2.0, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, USB, LAN streaming simultaneously<sup>2</sup>.

Remark:

1. This function is optional.
2. For simultaneous output of 4 HD digital signals, please contact the manufacturer for specific version support.

## Product Specification

### ▼ Difference

	VX60ASL	VX61ASL	VX61BASL
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels	
Lens	20x, f=6.25mm~125mm, F1.58~F3.95	12x, f=4.4mm~52.8mm, F1.8~F2.612x, f=3.47mm~41.65mm, F1.84~F3.72	
Horizontal FOV	60°~3.5°	71°~8.2°	80.8°~7.5°
Vertical FOV	35.7°~2.0°	42.7°~4.549.9°	~4.3°

### ▼ Camera Spec

Signal System	HDMI: 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94; 3G-SDI: 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94;
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON) 1/30s ~ 1/10000s
Shutter	
White Balance	Auto, indoor, outdoor, one push, manual, WAK Support
Backlight	3D Digital Noise Reduction
Compensation	Digital
Noise Reduction SNK	≥55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100°/s
Tilt Speed	1.7° ~ 69.9°/s
Image Flip	Support
Image Freeze	Support
PoE+	Support
Preset Position	255
Preset Accuracy	0.1°

### ▼ I/O

HD Output	1 x HDMI: Version 2.0; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard
Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1 x LINE IN: 3.5mm Jack 1 x LINE OUT: 3.5mm Jack
USB Interface	1 x USB2.0, Type-A (Support Host or Device mode)
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps
Bit Rate Control	Second Stream: 32kbps~20480kbps
Frame Rate	VBR, CBR 50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	
Audio Bit Rate	AAC, G.711A 96Kbps, 128Kbps
Protocols	NDI@ HX2,SRT,TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.

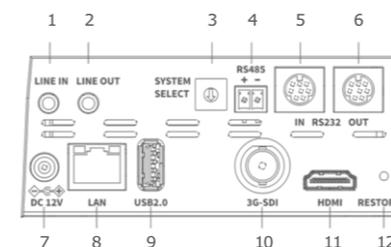
### ▼ USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG / H.265
Video Format	YUY2: Max.1080P5; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max. 2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

### ▼ Generic Spec

Input Voltage	DC 12V / Po E+ (802.3at)
Input Current	2A (Max.)
Operating Temperature	0 °C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W (Max.)
Dimension	142mm (W) x 169mm (D) x 175mm (H)
Net Weight	1.5kg

## Interface Diagram



- |                   |             |
|-------------------|-------------|
| 1 — LINE IN       | 7 — DC 12V  |
| 2 — LINE OUT      | 8 — LAN     |
| 3 — SYSTEM SELECT | 9 — USB2.0  |
| 4 — RS485         | 1 — 3G-SDI  |
| 5 — RS232 IN      | 0 — HDMI    |
| 6 — RS232 OUT     | 1 — RESTORE |

## 4K Ultra HD Serial (60fps)

# 4K Professional Box Camera UAI4JX2612 / UAI4JX2620

Designed for ProAV market, integrated with high quality 4K CMOS sensor and microphones, provide high quality A/V experiences and seamless communication for end users.



JX2612



JX2620

## Features

**4K60FPS**  
Use a high-quality 1/2.8 inches UHD CMOS sensor with 8.40 million pixels. Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

**Optical Zoom + Wide-angle Lens**  
JX2620:  
4K optical lens, support max 20x optical zoom and 60.7° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.  
JX2612:  
4K optical lens, support max 12x optical zoom and 72.5° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

**Quick control with the buttons on the camera body**  
With the buttons on the camera body, convenient for user operation.

**Full-function Webpage**  
The configuration and application of all functions can be completed through the webpage.

**1**  
The camera is equipped with a laser-assisted zoom instrument, with the built-in advanced auto focus algorithm, can achieve rapid and accurate auto focus.

**3G-SDI**  
Support max 1080P60 resolution over SDI.

**Microphone**  
The built-in microphone array can be picked up, the pick-up distance is 6 meters, and the noise inhibitory algorithm makes the voice perfect.

**Double Infrared Receiving**  
The front and rear infrared perceptions have expanded the scope of infrared receiving and enhanced the remote control operation experience.

**Multiple Interfaces**  
Support HDMI, SDI, USB, network output.

Remark:  
1. This function is optional.

## Product Specification

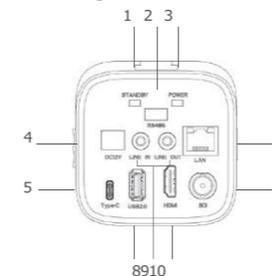
Difference	JX2612	JX2620
Optical Zoom	12x	20x
Horizontal FOV	72.5° ~ 6.9°	60.7° ~ 3.36°
Vertical FOV	44.8° ~ 3.9°	34.1° ~ 1.89°

Camera Spec	
Signal System	HDMI: 4KP60, 4KP50, 4KP30, 4KP25, 4KP59.94, 4KP29.97, 1080P60 etc. 3G-SDI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60 etc.
Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.4
Focus Mode	Megapixels
Minimum Illumination	Auto, One Push, Manual
Shutter	0.5Lux
White Balance	1/30s ~ 1/10000s
Backlight	Auto, Indoor, Outdoor, One Push, Manual, VAR
Compensation HDR	Support
Digital Noise Reduction	Support
SNR	2D/3D Digital Noise Reduction
Anti-ticker Image Flip	≥55dB
Image Freeze	Support
PoE	Support
Preset Position	Support
	255

Device operation	
Body Buttons	Quantity: 8; Features: Zoom operation, focus operation, brightness adjustment, menu control, image freezing, and mode switching.
Webpage	Full -Function Webpage
Remote Control	360 ° infrared remote control support
Menu	Support multi-way operation menu: keys, remote control, web pages, remote control.

I/O	
HD Output	1 x HDMI: Version 2.0; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
Network	1 x RJ45: 10M/100M/1000M adaptive Ethernet Support: PoE(802.3af)
Interface	1 x Line In, 3.5mm Jack; 2 x Microphone input
Audio Input	1 x Line Out, 3.5mm Jack
Audio Output	1 x USB3.0, Type-C
USB Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P;
Control Interface	DC005-2.0mm type (DC IN 12V)
Power Interface	

## Interface Diagram



Network Spec	
Video Compression	H.264 / H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
video bit rate Bit Rate Control	32kbps~102400kbps VBR, CBR
Frame rate Audio Compression	50Hz: 1fps~50fps, 60Hz: 1fps~60fps AAC, G/11A
Sampling rate Audio Bit Rate	48KHz 48Kbps, 64Kbps, 96Kbps, 128Kbps
Protocols	NDI® HLS SR1, ICP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.

USB Spec	
Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	YUY2: Max.1080P30 H.264 AVC: Max.2160P H.264 SVC: Max.2160P MJPEG: Max.2160P
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

Generic Spec	
Input Voltage	DC 12V /Po E (802.3af)
Input Current	1A (Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Dimension	145mm (W) x 76mm (D) x 78.5mm (H)

- 1 — STANDBY
- 2 — RS485
- 3 — POWER
- 4 — DC 12V
- 5 — Type-C
- 6 — LAN
- 7 — 3G-SDI
- 8 — USB2.0
- 9 — LINE IN / LINE OUT
- 10 — HDMI
- 0

## 4K Ultra HD Serial (30fps)

# 4K Professional NDI PTZ Camera

UAI4VX60AL / UAI4VX61AL / UAI4 VX61BAL



Equipped with high quality 4K CMOS sensor and multiple interfaces, NDI®|HX2 capability, achieve an ultra low-latency and high quality A/V transmission, provide high quality A/V experiences and seamless communication for end users.



VX60AL

VX61AL

VX61BAL

## Features

### 4K UHD

**VX60AL:**  
Use a high-quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels.  
**VX61AL / VX61BAL:**  
Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

### Optical Zoom + Wide-angle Lens

**VX60AL:**  
4K optical lens, support max 20x optical zoom and 60° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

**VX61AL:**  
4K optical lens, support max 12x optical zoom and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

**VX61BAL:**  
4K optical lens, support max 12x optical zoom and 80.8° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

### Low Power Sleep

It supports low-power sleep/wake-up and consumes less than 400mW in sleep mode.

### Remote Control

Support multiple ways of control, like RS232, RS485, Network and USB.

### Local Storage

Support U disk local storage, local recording directly without NVR.

### Non-compressed video stream

HDMI 1.4b and 3G-SDI I/O, can output non-compressed video stream.

### Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### Smart Exposure

Effectively solve the impact of projection, TV and other equipment on shooting people.

### NDI®|HX21

Support low-latency NDI®|HX2 protocol, plug to play, minimal configuration and easy for deployment.

### Multiple Interfaces

HDMI 1.4b, 3G-SDI (up to 150 meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, LAN streaming simultaneously.

Remark:

1. This function is optional.

## Product Specification

### Difference

	VX60AL	VX61AL	VX61BAL
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels	
Lens	20x, f=6.25mm~125mm, F1.58~F3.95	12x, f=4.4mm~52.8mm, F1.8~F2.612x, f=3.47mm~41.65mm, F1.84~F3.72	
Horizontal FOV	60°~3.5°	71° ~ 8.2°	80.8° ~ 7.5°
Vertical FOV	35.7° ~ 2.0°	42.7° ~ 4.5 / 49.9° ~ 4.3°	

### Camera Spec

Signal System	HDMI: 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94; 3G-SDI: 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94;
Scanning Mode	Progressive 16x
Digital Zoom	
Minimum Illumination	0.5LUX @ (F1.8, AGC ON) 1/30s ~ 1/10000s
Shutter	
White Balance	Auto, indoor, outdoor, one push, manual, WDR Support
Backlight Compensation	Digital 3D Digital Noise Reduction
Noise Reduction SNR	≥55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100°/s
Tilt Speed	1.7° ~ 69.9°/s
Image Flip	Support
Image Freeze	Support
PoE	Support
Preset Position	255
Preset Accuracy	0.1°

### I/O

HD Output	1 x HDMI: Version 1.4b; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
Network	1 x RJ45: 10M/100M/1000M adaptive Ethernet
Interface Audio	1 x LINE IN: 3.5mm Jack 1 x LINE OUT: 3.5mm Jack
Interface USB	1 x USB3.0, Type-B1 1 x USB2.0, Type-A (Support Host or Device mode)
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)

### Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	340x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI® HX2, SRTP, TCP/IP, HTTP, RTSP, RTMP/RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.

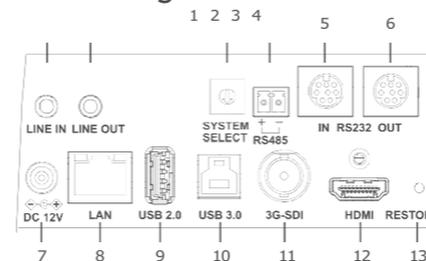
### USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG / H.265
Video Format	YUY2: Max.1080P5 (USB2.0); YUY2: Max.1080P30 (USB3.0) 1; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max. 2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

### Generic Spec

Input Voltage	DC 12V / PoE (802.3at)
Input Current	1.5A (Max.)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	13W (Max.)
Dimension	142mm (W) x 169mm (D) x 164mm (H)
Net Weight	1.6kg

## Interface Diagram



- |                   |              |
|-------------------|--------------|
| 1 — LINE IN       | 7 — DC 12V   |
| 2 — LINE OUT      | 8 — LAN      |
| 3 — SYSTEM SELECT | 9 — USB2.0   |
| 4 — RS485         | 10 — USB3.0  |
| 5 — RS232 IN      | 11 — 3G-SDI  |
| 6 — RS232 OUT     | 12 — HDMI    |
|                   | 13 — RESTORE |

## 4K Ultra HD Serial (30fps)

# 4K Professional PTZ Camera UAI4VX701TA / UAI4VX701RA



Equipped with high quality 4K CMOS sensor and ~12X, 71°HFoV lens, multiple interfaces and OLED display window, best choice for live streaming, live teaching/learning, church and stadium.



## Features

### ▼ 4K UHD

Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

### ▼ 12×Optical Zoom + 71°Wide-angle Lens

4K optical lens, support max 12× optical zoom and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

### ▼ OLED Display

HDMI and SDI (SDI cannot display 4K) output resolution, IP address and other information.

### ▼ Built-in Microphone

The built-in microphone array captures sound from all directions, with a pickup range of up to 6 meters. Its unique noise suppression algorithm ensures perfect voice reproduction.

### ▼ HDBaseT

VX701TA: Support HDBaseT interface, support 4K video format, use CAT5E/6 network cables for compressed transmission, use the RJ45 joint transmission distance of 100 meters, and also provide POE and other control signal channels.

### ▼ Remote Control

Support multiple ways of control, like RS232, RS485, Network and USB.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Multiple Interfaces

VX701TA: HDMI, HDBaseT, LAN three routes can be output 4K videos at the same time.

VX701RA: HDMI 1.4b, 3G-SDI (Up to 150 meters transmission with 1080P30), Support HDMI, 3G-SDI, USB, and LAN, allowing for the simultaneous output of three high-definition digital signals.

Remark:

- This function is optional.
- The maximum pickup distance is obtained from the VHD laboratory test.

The actual distance is different from the user environment.

## Product Specification

▼ Difference	VX701TA	VX701RA
Signal System	HDBaseT: 4KP30, 4KP29.97, 4KP25, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P25 etc.	3G-SDI: 1080P60, 1080P50, 1080I60, 1080P59.94, 1080I59.94, 1080I50, 1080P30, 1080P25 etc.
HD Output	1 x HDMI: Version 1.4b	1 x HDMI: Version 1.4b; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
Multi-functional Interface	1 x HDBASET: RJ45 (integrated video, audio, control and power supply)	-
USB Interface		1 x USB2.0 type B (optional upgrade to USB3.0)

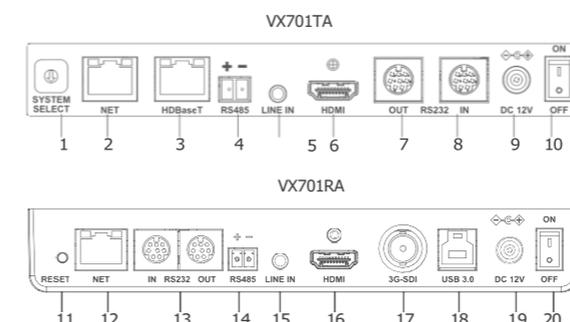
### ▼ Camera Spec

Signal System	HDBaseT: 4KP30, 4KP29.97, 4KP25, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P25, 1080P25.97 etc.
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Scanning Mode	Progressive
Lens	12x, f=4.4mm~52.8mm, F1.8~F2.6
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	3-Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5°
Pan Angle	±170°
Tilt Angle	-30° ~ +30°
Pan Speed	1.7° ~ 76°/s
Tilt Speed	0.5° ~ 15°/s
Image Flip	Support
Image Freeze	Support
PoE Support	
Preset Position	255
Preset Accuracy	0.1°

### ▼ I/O

Network	1 x RJ45: 10M/100M/1000M adaptive Ethernet, Support PoE
Interface Audio	1 x Line In/Mic In, 3.5mm Jack
Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Control Interface	
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)

## Interface Diagram



### ▼ USB Spec (Only VX701RA Support)

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max.1080P30 (USB3.0) 1; YUY2: Max.1080P5 (USB2.0) ; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3 340x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	720x480, 320 x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI@ HX2,SRTP, TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.

### ▼ Generic Spec

Input Voltage	DC 12V / PoE(802.3 af) Input
Current	1.5A (Max.)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max.)
Dimension	238mm (W) x 132mm (D) x 166mm (H)
Net Weight	1.35kg

- |                   |             |
|-------------------|-------------|
| 1 — SYSTEM SELECT | 1 — RESET   |
| 2 — NET           | 1 — NET     |
| 3 — HDBase T      | 1 — RS232   |
| 4 — RS485         | 2 — IN/OUT  |
| 5 — LINE IN       | 1 — RS485   |
| 6 — HDMI          | 3 — LINE IN |
| 7 — RS232 OUT     | 1 — HDMI    |
| 8 — RS232 IN      | 4 — 3G-SDI  |
| 9 — ON/OFF        | 5 — USB 3.0 |

- |   |   |        |
|---|---|--------|
| 0 | 1 | ON/OFF |
|   | 6 |        |
|   | 1 |        |
|   | 7 |        |
|   | 1 |        |
|   | 8 |        |

## 4K Ultra HD Serial (30fps)

# 4K Professional Camera UAI413WDZU3

Equipped with high quality 4K CMOS sensor and low distortion 110° HFoV lens, up to 9meters omidirectional voice pickup, support PoE, best choice for live streaming, live teaching/learning.



## Features

### ▼ 4K UHD

Use a high-quality 1/2.8 inches UHD CMOS sensor with 8.4million pixels. Support max 4K30fps image output and multiple lower resolutions like 720p.

### ▼ Lens

No distorted lens, 110 ° ultra -wide -angle, and supports EPTZ.

### ▼ Microphone

The built-in microphone array can be picked up, the pick-up distance is 9 meters, and the noise inhibitory algorithm makes the voice perfect

### ▼ Local Storage

Support U disk local storage, local recording directly without NVR.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ PoE

The cable network supports POE power supply, control, power supply, video, audio only requires one network cable.

Remark:

1. The maximum pickup distance is obtained from the VHD laboratory test. The actual distance is different from the user environment.

## Product Specification

### ▼ Camera Spec

Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.4 Megapixels Scanning ModeProgressive
Type of Lens Mount	M12
Lens Focal length:	f=1.97mm, Horizontal FOV: 110°
Digital Zoom	8x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
Camera Bracket	Optional
Image Freeze	Support
PoE Support	
Local Storage	Support

### ▼ I/O

Network Interface	1 x RJ45: 10M/100M/1000M adaptive
USB Interface	Ethernet 1 x USB2.0, Type-A
Power Interface	DC005 type (DC12V)

### ▼ Generic Spec

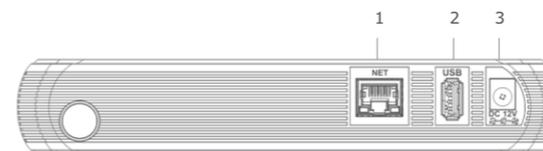
Input Voltage	DC 12V/PoE (802.3af)
Input Current	0.5A (Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	6W (Max.)
Dimension	194mm (W) x 42mm (D) x 34mm (H) (excluding bracket and antenna)
Net Weight	0.34kg

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	340x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	720x480, 320 x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI@ HX2,SRT, TCP/IP, HTTP, RTSP, RTMP(s), Onvif,DHCP,GB/T 28181, Multicast, etc.



## Interface Diagram



- 1 — NET
- 2 — USB
- 3 — DC 12V

## 4K Ultra HD Serial (30fps)

# 4K Intelligent Educational Box Camera UAI4JX1801K



Equipped with high quality 4K CMOS sensor, with built-in AI capability and algorithm, the camera can achieve a precise and smooth tracking without any additional equipment. PoE support, best choice for live streaming, conferencing and education.



## Features

### ▼ 4K UHD

Use a high-quality 1/2.8 inches UHD CMOS sensor with 8.46million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

### ▼ AF Lens

The 42° lens for the teacher's machine supports auto focus; the low-distortion horizontal angle of student's machine is up to 95°; small lens for big vision, and supports EPTZ.

### ▼ Multiple Interfaces

3G-SDI(Up to 150meters transmission with 1080P30), LAN, USB. Support 3G-SDI, LAN, USB streaming simultaneously.

### ▼ Double Modes Supported

Single camera and SDI interface can simultaneously output panoramic and close-up images.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes, including body tracking, hybrid tracking and etc.

### ▼ PoC and PoE Supported

POC (Power Over Cable) and POE (Power Over Ethernet) ISDN supported; power supply, video, audio and control are integrated.

## Product Specification

### ▼ Camera Spec

Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.46 Megapixels Scanning Mode Progressive
Type of Lens Mount	M12
Lens (Teacher)	Focal length: f=7.2mm, Horizontal FOV: 42° Lens
(Student)	Focal length: f=2.88mm, Horizontal FOV: 95° Digital Zoom 8x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s - 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR Backlight Compensation Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
EPTZ Support	
Auto Focus Support	(Teacher machine)
PoC Support	
PoE Support	
Select Lens I/II	Corresponding to the teacher/student tracking mode, respectively

### ▼ I/O

HD Output	1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard, PoC supported
Network	1 x RJ45: 10M/100M/1000M adaptive Ethernet, PoE support
Interface USB	1 x USB2.0, Type-A
Interface	1 x LINE IN: 3-core phoenix interface
Audio Interface	1 x RS485: 2-core phoenix interface, Max. distance 1200m, VISCA/Pelco-D/Pelco-P protocols
Control Interface	DC005 type (DC12V)
Power Interface	

### ▼ Generic Spec

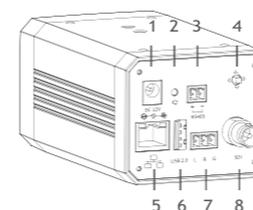
Input Voltage	DC 12V / PoC / POE (802.3af)
Input Current	0.5A (Max.)
Operating Temperature	-10°C - 40°C
Storage Temperature	-40°C - 60°C
Power Consumption	6W (Max.)
Dimension	72mm (W) x 60mm (D) x 130mm (H)
Net Weight	0.37kg

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream, Third Stream, Fourth Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576, etc.
Second Stream Resolution	3840x2160, 1920x1080, 1280x720, etc.
Third Stream Resolution	1920x1080, 1280x720, 1024x576, etc.
Fourth Stream Resolution	1024x576, 960x540, 720x576(50Hz), Resolution 720x480(60Hz), 720x480, etc.
Video Bit Rate	32kbps-16384kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps-50fps, 60Hz: 1fps-60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB/T 28181, Multicast, etc.



## Interface Diagram



- 1 — DC 12V
- 2 — Indicator Light
- 3 — RS485
- 4 — Control Switch
- 5 — NET
- 6 — USB2.0
- 7 — LRG
- 8 — SDI

## 4K Ultra HD Serial (30fps)

# 4K Intelligent Educational Box Camera

## UAI4JX1811K



Equipped with high quality 4K CMOS sensor, with built-in AI capability and algorithm, the camera can achieve a precise and smooth tracking without any additional equipment. PoE support, best choice for live streaming, conferencing and education.



## Features

### 4K UHD

Use a high-quality 1/2.7 inches UHD CMOS sensor with 8.31 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

### AF Lens

The 44° lens for the teacher's machine supports auto focus; the low-distortion horizontal angle of student's machine is up to 95°; small lens for big vision, and supports EPTZ.

### Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes, including body tracking, hybrid tracking and etc.

### PoE

POE (Power Over Ethernet) ISDN supported; power supply, video, audio and control are integrated.

## Product Specification

### Camera Spec

Sensor	1/2.7 inches, CMOS, Effective Pixels: 8.31 Megapixels Scanning Mode Progressive
Type of Lens Mount	M12
Lens (Teacher)	Focal length: f=7.2mm, Horizontal FOV: 44° Lens (Student) Focal length: f=2.88mm, Horizontal FOV: 95° Minimum
Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s - 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR Backlight Compensation Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
EPTZ Support	
Auto Focus Support	(Teacher machine)
PoE Support	
Select Lens I/II	Corresponding to the teacher/student tracking mode, respectively

### Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream, Third Stream, Fourth Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576, etc.
Second Stream Resolution	3840x2160, 1920x1080, 1280x720, etc.
Third Stream Resolution	1920x1080, 1280x720, 1024x576, etc.
Fourth Stream	1024x576, 960x540, 720x576(50Hz), Resolution 720x480(60Hz), 720x480, etc.
Video Bit Rate	32kbps-16384kbps
Bit Rate Control	VBR, CBR
Frame Rate	1-30fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB/T 28181, Multicast, etc.

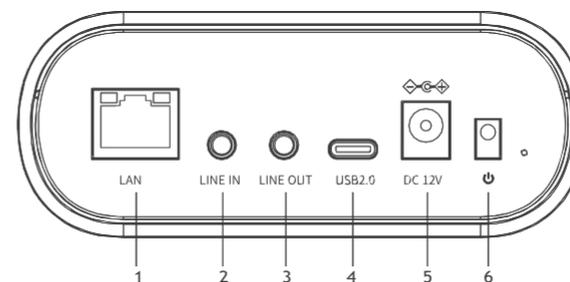
### I/O

Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet, PoE support
USB Interface	1 x USB2.0 Type-C
Audio Interface	1 x LINE IN: 3-core phoenix interface
Power Interface	DC005 type (DC12V)
Remote Control Receiving	Remote control optional

### Generic Spec

Input Voltage	DC 12V / PoC / POE (802.3af)
Input Current	0.5A (Max.)
Operating Temperature	0°C - 40°C
Storage Temperature	-40°C - 60°C
Power Consumption	6W (Max.)
Dimension	110mm (W) × 96mm (D) × 44mm (H)
Net Weight	0.2kg

## Interface Diagram



- 1 — LAN
- 2 — LINE IN
- 3 — LINE OUT
- 4 — USB 2.0
- 5 — DC 12V
- 6 — Power Light

## 1080P Full HD Serial

# Full HD Intelligent Professional NDI PTZ Camera

UAI4V60XL / UAI4V61XL / UAI4V63XL



With the built-in advanced AI capability and algorithm, the camera can support a precise body tracking, with the built-in dual Mics or the extension Mic, provide a budget-friendly solution for live streaming, conferencing and education.



## Features

### 1080P

Use a high-quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P60fps image output and multiple lower resolutions like 720p.

### Optical Zoom + Wide-angle Lens

**V60XL:**  
1080P optical lens, support max 20x optical zoom and 60.7° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

**V61XL:**  
1080P optical lens, support max 12x optical zoom and 72.5° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

**V63XL:**  
1080P optical lens, support max 30x optical zoom and 60.7° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

### New Generation of ISP Image Processing Algorithm

The new generation of ISP image processing algorithm provides more complete white balance and automatic exposure functions, It is which significantly improves the image output performance of the camera, and the imaging effect is also better. Widely used in education recording and broadcasting, distance education, video conferencing, live broadcasting, broadcasting and other industries.

### Leading Auto Focus Technology

Using advanced focusing algorithm, the lens can focus quickly, accurately and stably.

### Full Interface Low Delay Technology

All video output interfaces reach low latency indicators, and at the same time support 4 ports and 1080p60.

### Upgraded AI Technology

Adopting upgraded version of AI technology, pedestrian re-recognition technology, can accurately determine the location of each person based on information such as pedestrian wearing, body shape, hairstyle, and face recognition, realize automatic identification of target human form and tracking, and automatic frame selection.

### Support FULL NDI2

It supports Full NDI protocol, can output nearly lossless NDI encoded video through the network, and is Backward compatibility with NDI®. The HX2 protocol requires lower network bandwidth and can transmit H.265/H.264 encoded videos with high image quality with low latency.

Remark:

- This function is optional.
- NDI is an optional function. You can experience it for 25 minutes for each boot. You need to pay additional costs for a complete experience.

## Product Specification

### Difference

	V60XL	V61XL	V63XL
Lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.812x, f3.5mm ~ 42.3mm, F1.8 ~ F2.830x, f4.42mm ~ 132.6mm, F1.8 ~ F2.8		
Horizontal FOV		60.7° ~ 3.36°72.5° ~ 6.9°60.7° ~ 2.28°	
Vertical FOV		34.1° ~ 1.89°44.8° ~ 3.9°34.1° ~ 1.28°	
HD Output		1 x HDMI: Version 1.3; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard	
Protocols	FULL NDI, NDI HX2, ICP/IP, H11P, RISP, RIMP, RIMP(s), Unvit, DHCP, Multicast, SR1,GB/128181 etc.		

### Camera Spec

Signal System	HDMI, 3G-SDI: 1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixel s
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight	Support
Compensation	Digital 2D&3D Digital Noise Reduction
Noise Reduction SWK	≥55dB
Pan Angle	±170°
Tilt Angle	
Pan Speed	-30° ~ +90°
Tilt Speed	1.7° ~ 100°/s
Image Flip	1.7° ~ 69.9°/s
Image Freeze	Support
Preset Position	Support
Preset Accuracy	±5s 0.1°

### Audio

Microphone Array	Built-in dual microphones, 100Hz to 16KHz frequency response.
Analog Audio Input/Output	Support 3.5mm Line-In; Support 3.5mm Line-Out
Digital Audio Output	Support HDMI, USB, LAN, 3G-SDI etc

### I/O

Audio Interface	1 x Line In, 3.5mm Jack 1 x Line Out, 3.5mm Jack
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

### Network Spec

Video Compression	H.264
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	1280x720, 1024x576, 720x576 etc.
Video Bit Rate	32Kbps~2048Kbps
Bit Rate Control	VBR, CBR
Frame Rate	1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps

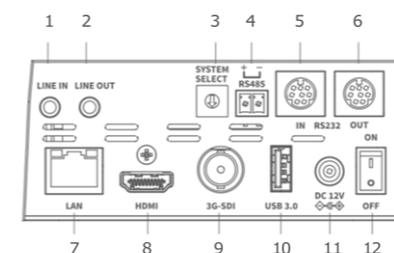
### USB Spec

Operating System	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format/resolution	Support a variety of different frame rates and resolution video formats, up to 1080p60 YUY2 output
USB Audio	32K Sampling Rate, Support UAC2.0
USB Video Communication Protocol	JVC 1.1~1.5
UVC PTZ Control	Support

### Generic Spec

Input Voltage	DC 12V / PoE+ (802.3at)
Input Current	1.5 A (Max.)
Operating Temperature	0 °C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	15W (Max.)
Dimension	142mm (W)×169mm (D)×175mm (H)
Net Weight	1.5kg

## Interface Diagram



- |                   |            |
|-------------------|------------|
| 1 — LINE IN       | 7 — LAN    |
| 2 — LINE OUT      | 8 — HDMI   |
| 3 — SYSTEM SELECT | 9 — 3G-SDI |
| 4 — RS485         | 1 — USB3.0 |
| 5 — RS232 IN      | 0 — DC 12V |
| 6 — RS232 OUT     | 1 — ON/OFF |
|                   | 1          |
|                   | 1          |
|                   | 2          |

## 1080P Full HD Serial

### HD Video Conference Camera

UAI4V60SSL /UAI4V61SSL / UAI4V63SSL



1080P



AI Smart Tracking



ISP



Remote Control



Multiple Interface

Designed specifically for mid-to-large-sized enterprises' remote business meeting scenarios, this system features a high-quality HD CMOS sensor with the capability to achieve a 60fps image rate at 1080P resolution. Paired with a wide-angle lens and an extended zoom lens, even under extensive mechanical panning, the camera captures a broader and clearer field of view, catering to professional-grade needs such as corporate meetings, executive conferences, and educational recordings, ensuring a premium meeting experience.



V60SSL

V61SSL

V63SSL

## Features

### ▼ 1080P Full HD

Apply Sony's 1/2.8 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image.

### ▼ Wide Angle+Lens

V60SSL: Use high quality super telephoto lens, support 20x optical zoom, and 16x digital zoom (optional).

V61SSL:

Use high quality super telephoto lens, support 12x optical zoom, and 16x digital zoom (optional).

V63SSL:

Use high quality super telephoto lens, support 30x optical zoom, and 16x digital zoom (optional).

### ▼ AI Smart Tracking

With the AI computing power of the chip, the camera is equipped with advanced AI algorithms to realize monocular humanoid tracking, which can realize automatic tracking of scenes such as education, conferences and live broadcasts.

### ▼ Low-light

High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can still keep clean and clear.

### ▼ AAC Audio Encoding

Support AAC audio encoding, better sound quality and smaller bandwidth.

### ▼ Remote Control

Support multiple ways of control, like RS232, RS485(Optional), Network and USB.

### ▼ Abundant & Perfect Interface

Support HDMI output, 3G-SDI interface. HDMI, SDI, Network can output at the same time.

### ▼ Local Storage

Support local storage module, directly recording to local USB flash disk without NVR.

## Product Specification

### ▼ Difference

	V60SSL	V61SSL	V63SSL
Optical Zoom	20x	12x	30x
Lens	f4.42mm ~ 88.5mm, F1.8 ~ F2.8	f4.1mm ~ 49.2mm, F1.8 ~ F2.68	f4.42mm ~ 132.6mm, F1.8 ~ F2.8
Horizontal Angle of View	60.7° ~ 3.36°	72.5° ~ 6.9°	60.7° ~ 2.28°
Vertical Angle of view	34.1° ~ 1.89°	44.8° ~ 3.9°	34.1° ~ 1.89°

### ▼ Camera Spec

Video System	1080P60, 1080P50, 1080P30, 1080P25, 1080P20, 1920P30, 1280P30, 1024P30
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	60.7° ~ 3.36°
Vertical Angle of View	34.1° ~ 1.89°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
PoE Support	
Local Storage	Support
Number of Preset	255
Preset Accuracy	0.1°

### ▼ IPC Features

Video Compression	H.264 / MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Sub Stream Resolution	1280x720, 1024x576, 720x480 etc.
Video Bit Rate	32Kbps ~ 10240Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 30fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC, G.711A
Audio Bit Rate	9.6Kbps, 12.8Kbps, 23.0Kbps
Support protocols	NDI@ HX2,SRT,TCP/IP, HTTP, RTSP, RTMP(S), Onvif, DHCP, GB/T 28181, Multicast, etc.

### ▼ USB Featured

Operate System	Windows 7 (supports UVC 1.1 feature only), Windows 8, Windows 10, Windows 11, Mac OS X, and Linux versions 2.4.6 and above, Android requires a version that includes UVC-related driver programs
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2 : Max.1080P30 H.264 : Max.1080P30 MJPEG: Max.1080P30
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support

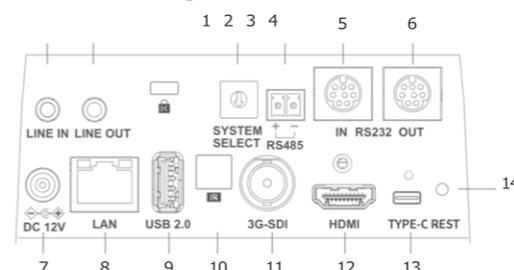
### ▼ I/O

HD Output	1xHDMI 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network	1xRJ45: 10M/100M Ethernet Interface
Interface Audio	1-ch: 3.5mm Audio Interface, Line In 1-ch: 3.5mm Audio Interface, Line Out
Interface	1xUSB3.0: Type C female jack 1xUSB2.0: Type A female jack
USB	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P JEITA type (DC IN 12V)
Communication Interface	
Power Jack	

### ▼ Generic Spec

Input Voltage	DC 12V, PoE (802.3af)
Current Consumption	1.0 A (Max.)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max.)
Size	169mm (W) x 142mm (D) x 164mm (H) Net Weight 1.35Kg

## Interface Diagram



- |                   |            |
|-------------------|------------|
| 1 — LINE IN       | 8 — LAN    |
| 2 — LINE OUT      | 9 — USB2.0 |
| 3 — SYSTEM SELECT | 1 — IR     |
| 4 — RS485         | 0 — 3G-SDI |
| 5 — RS232 IN      | 1 — HDMI   |
| 6 — RS232 OUT     | 1 — USB3.0 |
| 7 — DC 12V        | 1 — REST   |
|                   | 2          |
|                   | 1          |
|                   | 3          |
|                   | 1          |
|                   | 4          |

## Dual Lens Cameras

# Dual-lens 4K Intelligent Auto Tracking PTZ Camera UAI4VX800I2



Dual-lens 4K PTZ camera, equipped with high quality 4K 1/2.5' CMOS sensor and ~12X, 71°HFOV lens, built-in omnidirectional microphones, provide a smart solution for live streaming, conferencing and education.



## Features

### ▼ 4K UHD

Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 720p.

### ▼ 12xOptical Zoom + 71°Wide-angle Lens

4K optical lens, support max 12x optical zoom and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

### ▼ Panoramic Lens Perspective

The panoramic lens perspective is adjusted (-15° ~ +15°).

### ▼ AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes, including body tracking, hybrid tracking and etc.

### ▼ Integration Design

The All-in-one integration outputs multiple panoramic and close-up HD videos.

### ▼ Microphone2

The built-in microphone array offers omnidirectional pickup within an effective range up to 6m. The proprietary noise suppression algorithm helps record voice perfectly.

### ▼ Gravity Sensor1

Support image flipping, apply to head-up/head-down installation.

### ▼ Multiple Interfaces

HDMI1.4b, 3G-SDI(Up to 150meters transmission with 1080P30), USB3.0, LAN. Support HDMI, 3G-SDI, USB, LAN streaming simultaneously.

Remark:

- This function is optional.
- The maximum pickup distance is obtained from the VHD laboratory test, and the actual distance varies depending on the user's environment.

## Product Specification

### ▼ Camera Spec of Close-up Camera

Signal System	HDMI: 4KP30, 4KP25, 4KP29.97, 1080P30, 1080P25; SDI: 1080P30, 1080P25
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Scanning Mode	Progressive
Lens	12x, f=4.4mm~52.8mm, F1.8~F2.6
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5°
Pan Angle	±170°
Tilt Angle	±30°
Pan Speed	1.61° ~ 75.56° /s
Tilt Speed	0.44° ~ 15°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

### ▼ Camera Spec of Panoramic Camera

Signal System	HDMI: 4KP30, 4KP25, 4KP29.97, 1080P30, 1080P25; SDI: 1080P30, 1080P25
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Scanning Mode	Progressive
Type of Lens Mount	M12
Lens IFocal length	: f=8.0mm, Horizontal FOV: 48°
Lens IFocal length	: f=1.97mm, Horizontal FOV: 107°
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	3D Digital Noise Reduction
Backlight Compensation	Support
Image Freeze	Support
Image Flip	Support

### ▼ I/O

HD Output	1 x HDMI, Version 1.4b; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
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## Interface Diagram



Network interface	1 x RJ45: 10M / 100M / 1000M adaptive Ethernet; PoE+ supported
Audio Interface	1 x LINE In: 3.5mm Jack
USB Interface	1 x USB 3.0: Type-B; 1 x USB2.0: Type-A
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	1 x DC-005/Φ2.0 type (DC IN 12V)

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream, Third Stream, Fourth Stream
First Stream, Second Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Third Stream, Fourth Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	32kbps~5120kbps VBR, CBR
Bit Rate Control	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Frame Rate	AAC, G711A
Audio Compression	96Kbps, 128Kbps
Audio Bit Rate	NDI@   HX2, SRT, TCP/IP, HTTP, RTSP, RTMP/
Protocols	RTMP(s), Onvif, DHCP, GB/T28181. Multicast etc.

### ▼ USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUV / H.264 / MJPEG / NV12
Video Format	YUY2: Max.1080P30; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

### ▼ Generic Spec

Input Voltage	DC 12V/PoE+ (802.3at)
Input Current	2A (Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W (Max.)
Dimension	200mm (W) x 177mm (D) x 165mm (H)
Net Weight	1.76kg

1 — NET	7 — LINE IN
2 — USB2.0	8 — 3G-SDI
3 — RS232 IN	9 — USB3.0
4 — RS232 OUT	1 — DC 12V
5 — RS485	0 — ON/OFF
6 — HDMI	1
	1

## Dual Lens Cameras

# Dual-lens 4K Intelligent Auto Tracking Camera JUAI4X200I



Equipped with high quality 4K CMOS sensor, dual-lens and microphones. With built-in AI capability and algorithm, the camera can achieve a precise and smooth tracking without any additional equipment. PoE support, best choice for live streaming, conferencing and education.



## Features

### ▼ Dual Lens

Use panoramic lens+close-up lens, 8-megapixel close-up lens, and 5-megapixel wide-angle panoramic lens, which can not only cover the entire classroom, but also provide high-definition close-up screens.

### ▼ Ultra HD

The 8-megapixel 21° Teacher Machine Speed The clarity is equivalent to the sharpness of the 42° lens at 34 million pixels. The close-up of the 44° student machine is equivalent to the definition of the 95° lens under 58 million pixels.

### ▼ Intelligent Teaching Tracking

The built-in leading image recognition and tracking algorithm can achieve a smooth and natural tracking effect without any auxiliary positioning camera or tracking the host. Different cameras before production can achieve teacher tracking or student tracking. It can output a panoramic view of up to 5m and 4K close-up screens at the same time.

### ▼ Micro PTZ

The newly designed micro-mechanical gimbal can reach ± 40° horizontally. With the automatic close-up close-up lens (teacher machine), it is easier for teachers to clearly enter the country. At the same time, it supports electronic gimbal, which is more large and see more clearly. Seamless combination of mechanical gimbal and electronic gimbal reduction reduces the tiny rotation of the mechanical gimbal.

### ▼ Built-in Microphone1

Built-in array microphone, supports 6-meter distance omnidirectional pickup, echoing elimination based on beam molding and video detection, beam molding noise inhibition algorithm, make the voice perfect.

### ▼ Multi-interface Output

Support multiple video output interfaces such as POE, USB 3.0, and 3G-SDI interface1 to meet various video input requirements such as recording and broadcasting hosts and large screen OPS.

### ▼ POE and POC Front Line

At the same time, the two-way order output (YUY2, MJPEG, and H.264 are allowed) to reduce the pressure of the host code. (The second road only supports H.264).

### ▼ Built-in Guide

Support external and built-in conductors to meet the needs of different recording hosts and interactive terminals. Teacher machine and student machine matching can output multi-lane driven pipes from the network or USB interface.

Remark:

1. This function is optional.

## Product Specification

### ▼ Camera Spec of Close-up Camera

Sensor	1/2.7 inches, CMOS, Effective Pixels: 8.31 Megapixels Scanning
Mode	Progressive
Type of Lens Mount	M12
Student Close-up Lens	f=7.2mm, Horizontal FOV: 44°
Teacher Close-up Lens	f=16mm, Horizontal FOV: 21°
Digital Zoom	2x
Minimum Illumination	0.5 Lux @ (F2.0, AGC ON)
Shutter	1/30s~1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction Support
Automatic Focus	Teacher Machine Speed Line Support
Pan Angle	±40°
Tilt Angle	+5°~-30°
Maximum Rotation Speed	60°
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.5°

### ▼ Camera Spec of Panoramic Camera

Sensor	1/2.7 inches, CMOS, Effective Pixels: 4.68 Megapixels Scanning
Mode	Progressive
Type of Lens Mount	M12
Student Close-up Lens	f=2.2mm, Horizontal FOV: 110°
Teacher Close-up Lens	f=7.2mm, Horizontal FOV: 44°
Minimum Illumination	0.5 Lux @ (F2.0, AGC ON)
Shutter	1/30s~1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Tilt Angle	+0°~-24°
Image Flip	Support
Image Freeze	Support

### ▼ Audio

Built-in Array Microphone	4 Microfen array, 100Hz to 16kHz frequency response
Simulation Audio Input	1 x LINE In
Simulation Audio Output	1 x LINE Out
Digital Audio Interface	1 x USB audio input output; 1 x SDI audio output; 1 x network audio input output, supports 1588-based audio clock synchronization

## Interface Diagram



- 1 — DC
- 2 — LAN
- 3 — USB
- 4 — SDI1
- 5 — LINE IN
- 6 — LINE OUT

### ▼ USB Spec

Operating System Supported	Windows® 7 ( Only support 1080P and below ), Windows 8.1 and above version ; macOS™ 10.10 and above version ; Google™ Chromebook™ Version 29.0.1547.70 and above version ; Linux ( Need to support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 DUO processor or higher; 2 GB memory or higher; USB 3.0 or USB 2.0 interface
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	Maximum 4K and other different frame rates and resolution video formats
USB Video	UVC 1.1
Communication Protocol	The maximum 48K sampling rate, supports UAC1.0
USB Audio	Support
UVC PTZ Control	Support

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream, Third Stream, Fourth Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	2880x1620, 1920x1080, 1920x1080 etc.
Third Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540 etc.
Fourth Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540 etc.
Video Bit Rate	32Kbps ~ 16384Kbps
Bit Rate Control	VBR, CBR
Frame Rate	25/30fps
Audio Compression	AAC/G.711A
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, HTTPS, NDI, SRT, RTSP, RTMP, Onvif, DHCP, GB/T 28181. Multicast etc.

### ▼ I/O

USB Interfaces	1 x USB 3.0: TYPE-C
HD Interfaces	1 x SDI, Support 1080P60, Support PoC1
Network	1 x RJ45: 10M / 100M adaptive Ethernet; PoE+ supported, Support NDI1
Interface Audio	1 x LINE In: 3.5mm Jack
Interface	DC005 type (DC 12V)
Power Interface	RESET
Reset Button	Support
Infrared Interface	POWER, STANDBY

### ▼ Generic Spec

Input Voltage	DC 12V/PoE (802.3af)/ PoC1
Input Current	1A (Max.)
Operating Temperature	0 °C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max.)
Dimension	242.05mm (W) × 86.03mm (D) × 70.55mm (H) Net Weight TBD

## Dual Lens Cameras

# Dual-lens 4K Intelligent Auto Tracking Camera UAI4JX200C



Designed specifically for video conferences and interactive teaching scenarios, this advanced recording device offers dual-lens smart technology, panoramic close-up lens, a built-in microphone, and intelligent tracking paired with ultra-high-definition resolution. It delicately captures every detail, is lightweight and portable, and meets recording needs in various settings, ensuring high-quality multimedia experiences and seamless communication for our customers.



## Features

### ▼ Dual-Lens Integration

Utilizing a dual-lens design with both panoramic and close-up lenses, featuring a 5-megapixel close-up lens and an 8-megapixel wide-angle panoramic lens. This setup covers the entire meeting room while delivering high-definition close-up visuals.

### ▼ 4K Ultra HD

The close-up lens with a narrow field of view significantly enhances the clarity of the close-up visuals. A 5-million-pixel 44° close-up lens provides the same clarity as a 34-million-pixel lens with a 95° field of view.

### ▼ Auto Framing

The camera features built-in AI algorithms that automatically adjust the lens field of view based on the number and positions of participants to obtain the optimal framing for the shot.

### ▼ Speaker Tracking

The camera features built-in audio source localization algorithms that automatically lock onto and provide close-ups of the speaker based on their sound source position, all without the need for manual intervention, allowing meeting participants to focus solely on the meeting.

### ▼ Built-in Microphone

Featuring four sets of built-in Beam Forming (BF) microphones, equipped with Audio 3A algorithms that automatically eliminate noise, echo, and reverberation. Additionally, it employs a low-distortion lateral beam forming algorithm to steer the microphones directly toward the speaker, resulting in clearer and balanced sound pickup.

### ▼ Abundant Interfaces

Supports various interface types such as USB 3.0 and RJ45, with USB 3.0 capable of transmitting ultra-high-definition audio and video signals.

### ▼ Plug and Play

By using a plug-and-play USB interface, you can connect it to a computer or a large commercial display screen, enabling instant setup, reducing the need for complex wiring, facilitating video communication, and lowering the user's learning curve.

Remark:

1. This function is optional.

## Product Specification

### ▼ Camera Spec of Close-up Camera

Sensor	1/2.7 inches, CMOS, Effective Pixels: 4.68 Megapixels Scanning
Mode	Progressive
Type of Lens Mount	M12
Student Close-up Lens	= 7.2mm, Horizontal FOV: 44°
Digital Zoom	1.5x
Minimum Illumination	0.5 Lux @ (F2.2, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Pan Angle	±40°
Tilt Angle	+5° ~ -30°
Maximum Rotation Speed	30°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.5°

### ▼ Camera Spec of Panoramic Camera

Sensor	1/2.7 inches, CMOS, Effective Pixels: 8.31 Megapixels Scanning
Mode	Progressive
Type of Lens Mount	M12
Close-up Lens	= 2.8mm, Horizontal FOV: 95°
Minimum Illumination	0.5 Lux @ (F2.4, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Tilt Angle	+0° ~ -24°
Image Flip	Support
Image Freeze	Support

### ▼ Audio

Built-in Array Microphone	4 Microfen array, 100Hz to 16kHz frequency response
Analog Audio Input	Simulation Audio Input 1 x LINE In
Analog Audio Output	Simulation Audio Output 1 x LINE Out
Digital Audio Interface	1 x USB audio input output; 1 x network audio input output, supports 1588-based audio clock synchronization

## Interface Diagram



- 1 — DC
- 2 — LAN
- 3 — USB
- 4 — SDI1
- 5 — LINE IN
- 6 — LINE OUT

### ▼ USB Spec

Operating System Supported	Windows® 7 ( Only support 1080P and below ), Windows 8.1 and above version ; macOS™ 10.10 and above version ; Google™ Chromebook™ Version 29.0.1547.70 and above version ; Linux ( Need to support UVC )
Hardware Requirements	2.4 GHz Intel® Core 2 DUO processor or higher; 2 GB memory or higher; USB 3.0 or USB 2.0 interface
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	Maximum 4K and other different frame rates and resolution video formats
USB Video	UVC 1.1
Communication Protocol	The maximum 48K sampling rate, supports UAC1.0
USB Audio	Support
UVC PTZ Control	Support

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream, Third Stream, Fourth Stream
Close-up Main Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Panoramic Main Stream Resolution	2880x1620, 1920x1080, 1280x720 etc.
Close-up Sub Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540 etc.
Panoramic Sub Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540 etc.
Video Bit Rate	32Kbps ~ 16384Kbps
Bit Rate Control	VBR, CBR
Frame Rate	25/30fps, 25fps(Default)
Audio Compression	AAC/G.711A
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, HTTPS, NDI, SRT, RTSP, RTMP, Onvif, DHCP, GB/T 28181. Multicast etc.

### ▼ I/O

USB Interfaces	1 x USB 3.0: TYPE-C
Network Interface	1 x RJ45: 10M / 100M adaptive Ethernet; Supports PoE with 802.3af compatibility, and optional support for NDI protocol
Linear Input Interface	1x 3.5mm, Line In
Linear Output Interface	1x 3.5mm, Line out
Power Interface	DC05 type ( DC 12V )
Reset Button	RESET
Infrared Interface	Support
Indicator Light	POWER Blue, STANDBY Green

### ▼ Generic Spec

Input Voltage	DC 12V/ PoE (802.3af) Input
Current	1A (Max.)
Operating Temperature	0 °C ~ 40°C
Storage Temperature	-40 °C ~ 60°C
Power Consumption	12W (Max.)
Dimension	242.05 (W) x 86.03 (D) x 70.55mm (H)
Net Weight	TBD
No Failure Time	30000h

## Wireless camera

# 1080P Wireless Professional PTZ Camera

## UAI4V60WB/UAI4V61WB



1080P



12x Optical Zoom



MIMO



AI Smart Tracking



Wireless

Designed for wireless shooting, this camcorder features 1080P image quality and an ultra-long zoom lens, paired with long-range wireless transmission to capture broader scenes and reproduce every detail. With wireless connectivity, it unleashes creative freedom and is suitable for online streaming, sports events, and more.



## Features

### ▼ 1080P Full HD

Utilizing a 1/2.8-inch, high-quality CMOS sensor with a maximum of 2.07 million pixels, this camera can achieve high-resolution images at 1920\*1080@60fps.

### ▼ Optical Zoom + Wide-Angle Lens

V60WB: It utilizes a high-quality ultra-high-resolution 61.1° lens with 20x optical zoom and supports 16x digital zoom.

V61WB: It utilizes a high-quality ultra-high-resolution 72.5° lens with 20x optical zoom and supports 16x digital zoom.

### ▼ Single-lens humanoid tracking

With the help of the AI computing power of the chip, the camera is equipped with advanced AI algorithms to realize monocular humanoid tracking, which can realize automatic tracking of scenes such as education, conferences and live broadcasts.

### ▼ Remote control

A variety of control methods, support wireless, RS485 serial port, network and USB, to control the camera.

### ▼ Built-in OLED display

It can display output resolution, battery power, wireless signal strength, camera status, IP address and other information.

### ▼ Standard lens hood

The standard lens hood is equipped with a lens hood, which can suppress the halo of the picture and prevent stray light from entering the lens. It is especially suitable for wireless shooting in outdoor sunlight exposure environments.

### ▼ Built-in high-capacity lithium battery

Built-in 9450mAh ultra-large capacity lithium battery, continuous energy, low power consumption design, 6h long-lasting battery life.

## Product Specification

### ▼ Difference

	V60WB	V61WB
Lens	20x,f4.7mm~94mm,F1.6-F3.6	12x,f3.5mm~42.5mm,F1.8-F2.8
Horizontal FOV	61.1° ~3.5°	72.5° ~6.9°
Vertical FOV	35.8° ~2.0°	44.8° ~3.9°

### ▼ Camera Spec

Signal System	1080 60P, 30p, 25p
Sensor	1/2.8 inches, CMOS, effective pixels: 2.16 million
Scanning Mode	Progressive
Lens	12x, f = 4.1mm ~ 49.2mm, F1.8 ~ F2.68
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight	Support
Compensation	Digital 2D&3D Digital Noise Reduction
Noise Reduction SNR	≥55dB
Horizontal field of view	70.28° ~ 6.57°
Vertical field of view	42.06° ~ 3.76°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7°/s
Tilt Speed	2.7° ~ 31.5°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Hood	Support

### ▼ I/O

USB Interface	1 x USB 3.0, Type-C
HD Output	1 x HDMI 1.4b
Network Interface	1 x RJ45: 10M/100M adaptive Ethernet
Audio Interface	1 x LINE IN, 3.5mm Jack 2 x Built-in microphone
Control Interface	1 x RS485 IN (optional): 5pin phoenix port, max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
Power Interface	JEITA type (DC IN 12V)
Reset Button	Pinhole RESET
Remote Control Receiving Switch	Support button
Display	Can display information such as output resolution, battery power, wireless signal strength, camera status, IP address and other information

### ▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Second Stream Resolution	1920x1080, 1280x720, 1024x576, 720x576, 640x480, 640x360, 480x270, 320x240, 320x180
Video Bit Rate	32kbps~2148kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps ~ 30fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocol	TCP/IP, HTTP, RTSP, NDI, RTMP, Onvif, DHCP, Multicast etc.

### ▼ USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	YUY2 (isochronous mode): up to 1080P@60fps MJPEG: up to 1080P@60fps H.264 AVC: up to 1080P@60fps
USB Audio	UAC1.0
USB Video	UVC 1.1
UVC PTZ Control	Support

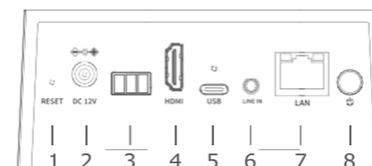
### ▼ Wireless Features

Wireless	5.15~5.35GHz, 5.425~5.725GHz, 5.745~5.850GHz
Transmission Power	27dBm
Antenna Mode	2*2MIMO, Beamforming
Channel Bandwidth	20/40MHz channel width selection
Modulation Mode	OFDM
Data Rate	max to 300Mbps
Network Mode	point-to-point, point-to-multipoint
Penetration	1~2 walls
Transmission Distance	200 meters (for longer distances, higher gain antennas can be used)
Protocol	802.11a/n

### ▼ General Specification

Input Voltage	DC 12V
Input Current	3.0A
Battery	9450mAh
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	36W (Max.)
Dimension	143mm (W) x 189.3mm (D) x 201.6mm (H)
Net Weight	1.9kg

## Interface Diagram



- 1 RESET 5 USB
- 2 DC 12V LINE IN
- 3 RS485 7 LAN
- 4 HDMI 8 ON/OFF

## Wireless camera

# 4K Wireless Professional PTZ Camera

## VUAI4X60WB / UAI4VX61WB



4K UHD



Wireless Image Transmission



AI Smart Tracking



OLED Display



Remote Control

4K wireless PTZ camera, equipped with ~20X lens and high quality 4K CMOS sensor, support a precise body tracking with the advanced AI capability. Support multiple cameras transmission with 4K resolution, up to 200 meters transmission, built-in battery, minimal configuration and setting.



## Features

### 4K UHD

Featuring a high-quality UHD CMOS sensor, it can deliver excellent images at 4K (3840x2160) ultra-high resolution. It is also compatible with various resolutions such as 1080P and 720P.

### Super Telephoto Lens

VX60WB: 20x ultra-long optical zoom lens; VX61WB: 12x optical zoom lens; Both support a 16x digital zoom, night vision mode, and automatic switching of the infrared filter.

### AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes, including body tracking, hybrid tracking and etc.

### Non-compressed video stream

HDMI 1.4b I/O, can output non-compressed video stream.

### Wireless Transmission

Stable and reliable wireless transmission, it supports 2x2 MIMO and transmitter beamforming technology, the maximum transmission rate is 300Mbps, the penetration is strong, and the transmission distance is as far as 200 meters. It supports automatic search and intelligent configuration, high transmission efficiency.

### Remote Control

Support multiple ways of control, like Wireless, RS485, Network and USB.

### H.264 Slice Coding Support

Output H.264 code current supports SLICE coding mode to adapt to high-end USB conference video applications.

### Built-in OLED Display Screen

Can display information such as output resolution, battery power, wireless signal strength, camera status, IP address and other information.

### Standard Lens Hood

Standard lens hoods. Use a hood to inhibit the halo of the screen, avoid mixed light into the lens, and especially adapt to wireless shooting needs of the outdoor sunlight.

### Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### Large-capacity Lithium Battery

The built-in 9450mAh ultra-large-capacity lithium battery has continuous energy, low power design, and 6H lasting battery life.

### USB Type-C

Compatible with USB3.0 and USB2.0. Support UVC1.1 and UAC1.0 protocols, support video original images and encoding image output.

### Three Power Supply Methods

At the same time, 12V power adapters, Type-C and built-in battery power supply.

## Product Specification

### Difference

	VX60WB	VX61WB
Sensor	1/1.8 inches, CMOS, Effective Pixel: 8.42 Megapixels	1/2.5 inches, CMOS, Effective Pixel: 8.51 Megapixels
Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95	12x, f = 4.4mm ~ 51.1mm, F1.8 ~ F2.6
Horizontal FOV	60° ~ 3.5°	70.1° ~ 7.4°
Vertical FOV	35.7° ~ 2.0°	40.7° ~ 4.2°

### Camera Spec

Signal System	4K/30p, 25p 1080/30p, 25p
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D/3D Digital Noise Reduction
SNR	≥55dB ±170°
Pan Angle	-30° ~ +90°
Tilt Angle	2.7° ~ 35.7°/s
Pan Speed	2.7° ~ 31.5°/s
Tilt Speed	2.7° ~ 31.5°/s
Image Flip	Support
Automatic ICR (Automatic Switching of Infrared Filter)	Support
Preset Position	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Hood	Support

### I/O

USB Interface	1 x USB 3.0, Type-C
HD Output	1 x HDMI 1.4b
Network Interface	1 x RJ45: 10M/100M adaptive Ethernet
Audio Interface	1 x LINE IN, 3.5mm Jack 2 x Built-in microphone
Control Interface	1 x RS485 In (Optional): spin phoenix port, max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
Power Interface	JEITA type (DC IN 12V)
Reset Button	Pinhole RESET
Remote Control Receiving Switch	Support button
Display	Can display information such as output resolution, battery power, wireless signal strength, camera status, IP address and other information

### Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576, 720x576 etc.
Video Bit Rate	32Kbps ~ 2048Kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocol	RTSP, RTMP, RTMP, RTSP, NDI, K11MP, ONVIF, DHCP, MULTICAST, etc.

### USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	YUY2: Max.1440P30; MJPEG: Max.2160P30; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30
USB Audio	UAC1.0
USB Video	UVC 1.1
UVC PTZ Control	Support

### Wireless Features

Wireless	5.15~5.35GHz 5.425~5.725GHz 5.745~5.850GHz
Transmission Power	27dBm
Antenna Mode	2*2MIMO, Beamforming
Channel Bandwidth	20/40MHz
Modulation Mode	OFDM
Data Rate	max to 300Mbps
Network Mode	point-to-point, point-to-multipoint
Penetration	1~2 walls
Transmission Distance	200 meters
Protocol	802.11a/n

### General Specification

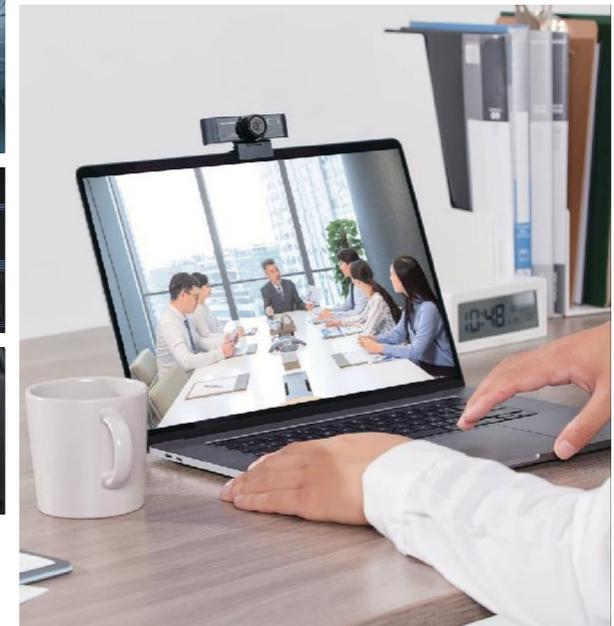
Input Voltage	DC 12V
Input Current	3.0A
Battery	9450mAh
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	36W (Max.)
Dimension	143mm (W) x 189.3mm (D) x 201.6mm (H)
Net Weight	1.9kg

## Interface Diagram



1 RESET	5 USB	—
2 DC 12V	6 LINE IN	—
3 RS485	7 LAN	—
4 HDMI	8 ON/OFF	—

# USB CAMERA



## Application Scenarios

Conferencing, Online teaching, Personal, Live streaming  
Security check, Government



## USB PTZ Cameras

### 4K Video Conferencing PTZ Camera VUAI4X701RS



4K USB PTZ camera, equipped with high quality 4K CMOS sensor, coupled with the reliable Pan/Tilt mechanical, achieve a smooth and precise rotation. Minimal and simple USB configuration, provide high quality A/V experiences and seamless communication for end users.



## Features

### ▼ 4K UHD

Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

### ▼ 12xOptical Zoom + 71°Wide -angle Lens

4K optical lens, support max 12X optical zoom(24X lossless in 1080P) and 71 ° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

### ▼ Remote Control

Support multiple ways of control, like RS232, RS485, Network and USB.

### ▼ OLED Display

HDMI and SDI (SDI cannot display 4K) output resolution, IP address and other information

### ▼ Full Function USB Interface

Full -function USB interface, compatible with USB3.0, USB2.0, supports UVC 1.1~1.5 protocols, supports video original images and encoding image output.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Multiple Interfaces

Supports USB, HDMI, network, streaming simultaneously.

### ▼ PoE

The cable network supports POE power supply, control, power supply, video, audio only requires one network cable.

## Product Specification

### ▼ Camera Spec

Signal System	HDMI: 4K30fps, 4K25, 1080P30, 1080P25
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Scanning Mode	Progressive
Lens	12x, f=4.4mm~52.8mm, F1.8~F2.6
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5°
Pan Angle	±170°
Tilt Angle	-30° ~ +30°
Pan Speed	2.7° ~ 35.7°/s
Tilt Speed	2.7° ~ 31.5°/s
Image Flip	Support
Image Freeze	Support
PoE Support	
Preset Position	255
Preset Accuracy	0.1°

### ▼ Network Spec

Video Compression	H.264 / H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576, 720x576 etc.
Video Bit Rate	32Kbps ~ 102400Kbps
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

### ▼ USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max.1080P30 MJPEG: Max.2160P30 H.264 AVC: Max.2160P30 H.264 SVC: Max.2160P30
USB Audio Support	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

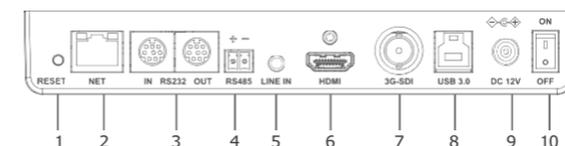
### ▼ I/O

HD Output	1 × HDMI: Version 1.4b; 1 × SDI, 1080P high-definition output, note: HDMI interface is not available for 4K output
USB Interface	1 × USB 3.0, TypeB
Network Interface	1 × RJ45: 10M/100M adaptive Ethernet. Support PoE
Audio Interface	1 × Line In/Mic In, 3.5mm Jack
Control Interface	1 × RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 × RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 × RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only JEITA type (DC IN 12V)
Power Interface	

### ▼ Generic Spec

Input Voltage	DC 12V / PoE(802.3 af) Input
Current	1.0A
Operating Temperature	-0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W
Dimension	238mm (W) × 167.2mm (D) × 149mm (H)
Net Weight	1.4kg

## Interface Diagram



- 1 — RESET
- 2 — NET
- 3 — RS232
- 4 — IN/OUT
- 5 — RS485
- 6 — HDMI
- 7 — 3G-SDI
- 8 — USB 3.0
- 9 — DC 12V
- 10 — ON/OFF

## USB PTZ Cameras

### 4K Video Conferencing PTZ Camera UAI4VX71UVS / UAI4VX70UVB / UAI4 VX71UVB



4K USB PTZ Camera, multiple interfaces, support USB3.0, PoE, plug and play, budget friendly solution for medium-size and large conference room.



VX71UVS

VX70UVB

VX71UVB

## Features

### ▼ 4K UHD

**VX71UVS / VX71UVB:**  
Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels.  
**VX70UVB:**  
Use a high-quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

### ▼ Optical Zoom + Wide-angle Lens

**VX71UVS:**  
4K optical lens, support max 12x optical zoom and 71° horizontal field of view, infrared filter can be switched automatically.  
**VX70UVB:**  
4K optical lens, support max 20x optical zoom and 60° horizontal field of view, Support the night vision mode, infrared filter can be switched automatically.  
**VX71UVB:**  
4K optical lens, support max 12x optical zoom and 80.8° horizontal field of view, infrared filter can be switched automatically. Support 16X digital zoom.

### ▼ Remote Control

Support multiple ways of control, like RS232, RS485(Optional), Network and USB.

### ▼ PoE

The cable network supports POE power supply, control, power supply, video, audio only requires one network cable.

### ▼ H.264

The output H.264 stream supports Slice and SVC encoding mode to adapt to high-end USB conference video applications.

### ▼ Dual-streaming

Support dual-streaming simultaneously (YUY2, MJPEG and H.264).

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Multiple Interfaces

Support HDMI, USB3.0, and network interfaces to output 4K videos at the same time.

Remark:

1. This function is optional.

## Product Specification

### ▼ Difference

	VX71UVS	VX71UVB	VX70UVB
Sensor	Megapixels	1/2.5 inches, CMOS, Effective Pixels:8.51 Megapixels	1/1.8 inches, CMOS, Effective Pixels:8.42
Lens	12x, f4.4mm~52.8mm, F1.8~F2.620x, f=6.25mm~125mm, F1.58~F3.95		
Horizontal FOV	71° ~ 8.2°80.8° ~ 7.5°60° ~ 3.5°		
Vertical FOV	42.7° ~ 4.5°49.9° ~ 4.3°35.7° ~ 2.0°		
Video Format	YUY2: Max. 1080P30: MJPEG: Max. 2160P30: H.264 AVC: Max. 2160P30: Only VX71UVS Support H.264 SVC: Max. 2160P30		
Dimension	144mm(W) x 144mm	(D) x 167.9mm (H)144mm (W) x 144mm (D) x 168.3mm (H)	(D) x 173.4mm (H)144mm (W) x 144mm (D) x 168.3mm (H)

### ▼ Camera Spec

Signal System	4KP30, 4KP25, 1080P30, 1080P25
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7°/s
Tilt Speed	2.7° ~ 31.5°/s
Image Flip	Support
Preset Position	255
Preset Accuracy	0.1°

### ▼ Network Spec

Video Compression	H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Video Bit Rate	32Kbps~248Kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, RTP, RTMP, RTMPS, Onvif, DHCP, SRT, GB/T 28181, Multicast, etc.

### ▼ USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / MJPEG / H.264
USB Video	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

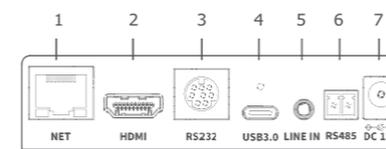
### ▼ Generic Spec

Input Voltage	DC 12V / PoE ( 802.3af ) Input
Current	12V 1.0A (Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max.)
Net Weight	1.41kg

### ▼ I/O

USB Interfaces	1 x USB 3.0: Type-C
HD Output	1 x HDMI 1.4b1
Network Interface	1 x RJ45: 10M / 100M / 1000M adaptive Ethernet;
Audio Interface	1 x LINE In: 3.5mm Jack
Control Interface	1 x RS485 IN(Optional): 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P
Power Interface	JEITA type (DC IN 12V)

## Interface Diagram



- 1 — NET
- 2 — HDMI
- 3 — RS232
- 4 — USB3.0
- 5 — LINE
- 6 — IN
- 7 — RS485
- DC 12V

## USB PTZ Cameras

### 4K Video Conferencing PTZ Camera UAI4VX60ULX / UAI4VX61ULX



4K60fps USB PTZ Camera, multiple interfaces, support USB3.0, plug and play, budget friendly solution for medium-size and large conference room.



VX60ULX



VX61ULX

## Features

### ▼ 4K60FPS

**VX60ULX:**  
Use a high-quality 1/1.8 inches UHD CMOS sensor with 8.29 million pixels.

**VX61ULX:**  
Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels.

Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

### ▼ Optical Zoom + Wide-angle Lens

**VX60ULX:**  
4K optical lens, support max 20x optical zoom and 60 ° horizontal field of view, support 16 times digital zoom.

**VX61ULX:**  
4K optical lens, support max 12x optical zoom and 71 ° horizontal field of view, support 16 times digital zoom.

### ▼ AI humanoid tracking and gesture control

Built-in image recognition and tracking algorithms, utilizing ReID technology, can achieve human shape tracking and automatic selection of up to 3 people.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Remote Control

Support RS232 remote control.

### ▼ Full Function USB Interface

Full-function USB3.0 interface, supports UVC 1.1 and UAC1.0 protocols, supports video original images and encoding image output.

### ▼ Leading Autofocus Technology

Adopting advanced focusing algorithms, the lens can focus quickly, accurately, and stably.

### ▼ Good Compatibility

Support mainstream video conferencing software on the market.

## Product Specification

### ▼ Difference

	VX60ULX	VX61ULX
Sensor	1/1.8 inches, CMOS, Effective Pixels:8.29 Megapixels	1/2.5 inches, CMOS, Effective Pixels:8.51 Megapixels
Lens	20x, f6.7mm ~ 125mm, F1.58 ~ F3.95	12x, f=4.4mm~52.8mm, F1.8~F2.6
Horizontal FOV	60°~3.5°	71° ~ 8.2°
Vertical FOV	35.7° ~ 2.0°	42.7° ~ 4.5

### ▼ Camera Spec

Signal System	4KP60/50/30/25, 1080P60/50/30/25, 720p/50/30/25.
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual,
Backlight Compensation	VAR Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100°/s
Tilt Speed	1.7° ~ 69.9°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

### ▼ I/O

USB Interfaces	1 × USB 3.0 Device, Type-C
HD Output	1 × HDMI 1.3a
Network Interface	1 × RJ45: 10M/100M adaptive Ethernet
Audio Interface	1 × Line In, 3.5mm Jack
Control Interface	1 × RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 × RS485: Max Distance: 150m, Protocol: VISCA / Pelco-D / Pelco-P JELTA type (DC IN 12V)
Power Interface	

### ▼ Network Spec

Video Compression	H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840×2160, 1920×1080, 1280×720, 1024×576 etc.
Second Stream Resolution	1280×720, 1024×576, 960×540, 640×480 etc.
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Control	VBR, CBR
Frame rate	50Hz:1fps~50fps, 60Hz:1fp~60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	ICP/IP, HTTP, RTSP, RIMF, Univr, DHCP, Multicast, etc.

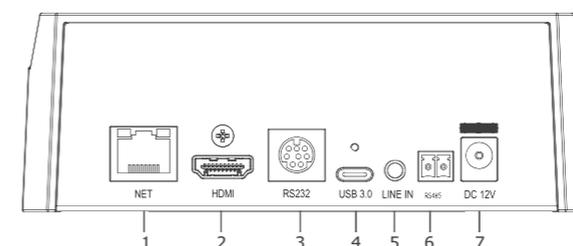
### ▼ USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max.1080P@60fps H.264: Max.2160P@60fps MJPEG: Max.2160P@60fps
USB Audio	Support (optional)
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

### ▼ Generic Spec

Input Voltage	DC 12V
Input Current	12V 1.5A(Max.)
Operating Temperature	0 °C ~ 40°C
Storage Temperature	-40 °C ~ 60°C
Power Consumption	12W (Max.)
Dimension	169mm (W) × 142mm (D) × 175mm (H)
Net Weight	1.5kg

## Interface Diagram



- |           |            |
|-----------|------------|
| 1 — NET   | 4 — USB3.0 |
| 2 — HDMI  | 5 — LINE   |
| 3 — RS232 | 6 — IN     |
|           | 7 — RS485  |
|           | DC 12V     |



## USB PTZ Cameras

### Full HD Video Conferencing PTZ Camera

UAI4V71CVS



1080P USB PTZ Camera, quipped with ~12X, 72.5°HFOV len,plug and play, budget friendly solution for medium-size and large conference room.



## Features

**1080P**  
Use a high -quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P60fps image output and multiple lower resolutions like 720p.

**72.5°Wide-angle Lens + 12×Optical Zoom**  
1080P optical lens, support max 12× optical zoom and 72.5 ° horizontal field of view, support 16 times digital zoom.

**Remote Control**  
Support RS232 remote control.

**Full Function USB Interface**  
Full -function USB interface, supports UVC 1.1 protocols, supports video original images and encoding image output.

**Ultra -high Compatibility**  
Support mainstream video conference software on the market.

**Low Illumination**  
The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

## Product Specification

### Camera Spec

Signal System	1080P, 720P, 540P, 480P, 360P, 240P
Sensor	1/2.8 inches, CMOS, Effective Pixels:2.07
Scanning Mode	Megapixel Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
S/NR	≥55dB
Horizontal FOV	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100°/s
Tilt Speed	1.7° ~ 69.9°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

### USB Spec

Operating System Supported	Windows 7 , Windows 8 , Windows 10 , Mac OS X , Linux , Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max. 1080P5; H.264 AVC: Max. 1080P30; MJPEG: Max. 1080P60
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

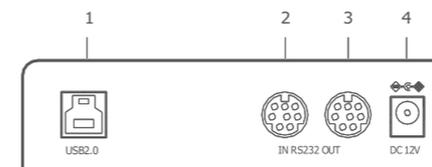
### I/O

USB Interface	1 x USB 2.0, Type-B
Control Interface	1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

### Generic Spec

Input Voltage	DC 12V
Input Current	1A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40 °C ~ 60°C
Power Consumption	12W
No Failure Time	>30000 hours
Dimension	144mm (W) x 144mm (D) x 168.4mm (H)
Net Weight	1.35kg

## Interface Diagram



- 1 — USB 2.0
- 2 — RS232 IN
- 3 — RS232 OUT
- 4 — DC 12V

## USB PTZ Cameras

# Full HD Video Conferencing PTZ Camera

UAI4V71CS / UAI4V71US



1080P USB PTZ Camera, quipped with ~12X, 72.5°HFOV lens,built-in microphones, support USB3.0 and H.264 Slice and SVC encoding, plug and play, provide high quality A/V experiences and seamless communication for end users.



## Features

### ▼ 1080P

Use a high-quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P60fps image output and multiple lower resolutions like 720p.

### ▼ 72.5°Wide-angle Lens + 12×Optical Zoom

1080P optical lens, support max 12× optical zoom and 72.5 ° horizontal field of view, support 16 times digital zoom.

### ▼ Microphone1

The built-in microphone, the pick-up distance is 6 meters long, high sensitivity, low-bottomed noise.

### ▼ Remote Control

Support multiple ways of control, like RS232, RS485(Optional), Network and USB.

### ▼ Full Function USB Interface

V71CS: Fully functional USB2.0.  
V71US: Fully functional USB 3.0.

Fully functional USB interface, supporting audio, encoding output, supporting UVC v1.1 protocol, and supporting almost all video conferencing software on the market.

### ▼ Ultra -high Frame Rate

The output frame frequency of 1080P can reach 60fps.

### ▼ H.264 Slice/ H.264 SVC Coding Support

The output H.264 stream supports SLICE and SVC encoding mode to adapt to high-end USB conference video applications.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Multiple Interfaces

Supports USB, HDMI, streaming simultaneously.

Remark:

1. This function is optional.

## Product Specification

### ▼ Difference

	V71CS	V71US
USB Interface	USB 2.0	USB 3.0

### ▼ Camera Spec

Signal System	1080P50, 1080P30, 1080P25, 720P30, 720P25
Sensor	1/2.8 inches, CMOS, Effective Pixels:2.07 Megapixel
Scanning Mode	Progressive
Digital Zoom	16x
Lens	12x, f3.5mm ~ 42.3 mm, F1.8 ~ F2.8
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	72.5° ~ 6.3°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	±30°
Pan Speed	1.61° ~ 75.56° /s
Tilt Speed	0.44° ~ 15°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Microphone	Optional
Pick-up Distance	6m

### ▼ USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max. 1080P60; H.264 AVC: Max. 1080P60; MJPEG: Max. 1080P60
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

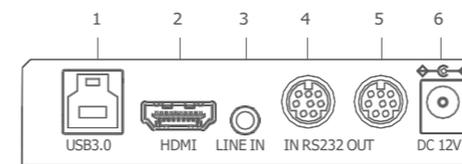
### ▼ Generic Spec

Input Voltage	DC 12V
Input Current	12V 1A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40 °C ~ 60°C
Power Consumption	12W
No Failure Time	>30000 hours
Dimension	99mm (W) x 128mm (D) x 154mm (H)
Net Weight	0.9kg

### ▼ I/O

HD Output	1 x HDMI1.4b
Audio Interface	1 x Line In, 3.5mm Jack
Control Interface	1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEL1A type (DC IN 12V)

## Interface Diagram



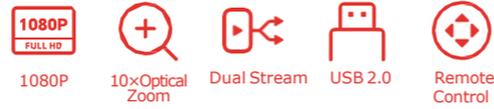
- 1 — V71CS: USB2.0  
V71US: USB3.0
- 2 — HDMI
- 3 — LINE IN
- 4 — RS232 IN
- 5 — RS232 OUT
- 6 — DC 12V

## USB PTZ Cameras

# Full HD Video Conferencing PTZ Camera

## UAI4V20C

1080P USB PTZ Camera, support H.264 Slice and SVC encoding, plug and play, budget friendly solution for small and medium-size conference room.



## Features

### ▼ 1080P

Use a high-quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P30fps image output and multiple lower resolutions like 720p.

### ▼ Remote Control

Support RS232 remote control.

### ▼ H.264 Slice/ H.264 SVC Coding Support

The output H.264 stream supports SLICE and SVC encoding mode to adapt to high-end USB conference video applications.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Full Function USB Interface

Full-function USB interface, supports UVC 1.1~1.5 protocols, supports video original images and encoding image output.

### ▼ Dual-streaming

Support dual-streaming simultaneously (YUY2, MJPEG and H.264).

## Product Specification

### ▼ Camera Spec

Signal System	1080P, 720P, 540P, 480P, 360P, 240P
Sensor	1/2.8 inches, CMOS, Effective Pixels:2.07
Scanning Mode	Megapixel Progressive
Lens	10x, f4.7mm~46.3mm, F1.8~F2.8
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	58.5° ~ 6.5°
Vertical FOV	35.1° ~ 3.6°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 47° /s
Tilt Speed	3.4° ~ 30° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

### ▼ USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	H.264 AVC: Max. 1080P30; H.264 SVC: Max. 1080P30; MJPEG: Max. 1080P30
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

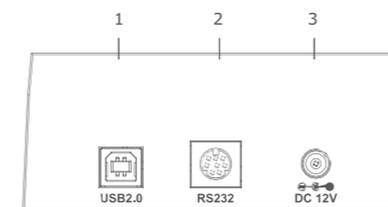
### ▼ Generic Spec

Input Voltage	DC 12V
Input Current	0.5A (Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40 °C ~ 60°C
Power Consumption	6W (Max.)
No Failure Time	>30000 hours
Dimension	141.3mm (W) x 153mm (D) x 163.6mm (H)
Net Weight	1.153kg

### ▼ I/O

USB Interface	1 x USB 2.0, Type-B
Control Interface	1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P
Power Interface	JEITA type (DC IN 12V)

## Interface Diagram



- 1 — USB2.
  - 2 — 0
  - 3 — RS232
- DC 12V

# 4K Business Webcam

UA1413WDZU3

4K USB ePTZ Camera, built-in microphones, USB3.0 and group framing capability, automatically present the participants in the center of the image, provide high quality A/V experiences and seamless communication for end users.



## Features

- 4K UHD**  
 Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.29 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.
- Lens**  
 84 ° (integrated automatic focus function)/120 ° ultra-wide-angle lens, while supporting EPTZ.
- Microphone**  
 The built-in microphone, the pick-up distance is 6 meters long, high sensitivity, low-bottomed noise.
- USB 3.0**  
 Full-function USB 3.0 interface, power supply, video, audio, support 1 USB video signal source + audio source, and support 1 HDMI at the same time.

- Low Illumination**  
 The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.
- Auto Framing**  
 The screen's view angle is automatically adjusted depending on the people within the detection range through the cutting-edge deep learning algorithm to avoid manual adjustment of camera and provide you with new experience.
- Easy Installation**  
 The standard configuration includes a damped rotary support, which is compatible with almost 100% of the displays available on market; it's easy to install, stable and reliable.

## Product Specification

### Camera Spec

Sensor	1/2.5 inches, CMOS, Effective Pixels:8.29 Megapixe Scanning ModeProgressive
Type of Lens Mount	M12
Lens If	=3.5mm,Horizontal FOV: 84°
Lens IIf	=2.8mm,Horizontal FOV: 120°
Auto Focus	Support (only 84° Support)
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Bracket Support	

### USB Spec

Operating System	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 H.264 / MJPEG
Signal System	4K P30/25 : 1080 P30/25 :
USB Video Communication Protocol	720 P30/25 : 960x540P30/25: 640x360P30/25 etc
UVC PTZ Control	UVC 1.1 Support (EPTZ)

### I/O

USB Interface	1 x USB 3.0, type B
HDMI Interface	1 x HDMI1.4b (Optional)

### Generic Spec

Input Voltage	5V (USB Power Supply)
Input Current	600mA
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W
Dimension	194mm (W) x 42mm (D) x 34mm (H)
Net Weight	0.5kg



## Interface Diagram



1 — HDMI (Optional)  
2 — USB3.0

# 4K Webcam

## UAI4JX1702U

4K USB Camera, built-in microphones, USB3.0. With the AI capability, camera can support body tracking and group framing, automatically present the participants in the center of the image, provide high quality A/V experiences.



## Features

- 4K UHD**  
 Equipped with a new generation of UHD CMOS image sensors, shooting 4K videos with full details. With a 110-degree oversized angle low distortion of 4K lens, the panoramic view of the panoramic view.
- USB 3.0**  
 The USB 3.0 port can provide power supply, videos and audios, and support 2 USB video signal sources (optional) + 1 audio source.
- Beamforming Microphone Array**  
 The built-in beamforming microphone array has a unique noise suppression algorithm and automatic gain algorithm for a pickup distance up to 6 m to perfectly record your voice.
- AI Capability**  
 The multi-layer convolutional neural network and the cutting-edge deep learning algorithm inject intelligent features into cameras; high-quality analytic data is available through open APIs.

- AI Tracking**  
 Embedded NNE hardware uses the deep learning technology to extract the target's characteristics and allow smooth face tracking, no matter where the face is facing. The product is applicable to automatic tracking of speakers in lecture and presentation.
- Convenient Operation**  
 Through exquisite infrared remote control, exclusive software, one-click to start automatic frame selection, humanoid tracking, and at the same time, you can set preset positions, EPTZ, image parameters, etc.

Remark:  
 1. The maximum pickup distance is obtained from the VHD laboratory test, and the actual distance varies depending on the user's environment.

## Product Specification

### Camera Spec

Sensor	1/2.7 inches, CMOS, Effective Pixels:8.29 Megapixe Scanning
Mode	Progressive
Type of Lens Mount	M12
Lens	f=2.2mm, Horizontal FOV: 110°
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual Bracket
Damping	rotating bracket
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support

### USB Spec

Operating System	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Hardware Requirements	2.4 GHz Intel® Core 2 Duo Processor or higher 2 GB memory or higher USB 2.0 (4K requirements USB 3.0)
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	4KP30/25, 1080P30/25, 720P30/25, 960x540P30/25, 640x360P30/25 etc.
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (EPTZ)

### I/O

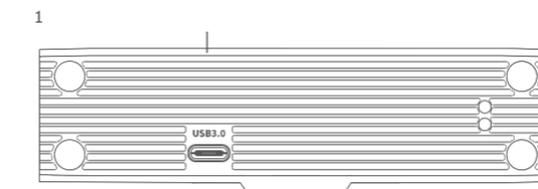
USB Interface	1 x USB 3.0, type C
Remote Control	Support

### Generic Spec

Input Voltage	5V (USB Power Supply)	Input
Current	0.6A (Max.)	
Operating Temperature	0 °C ~ 40°C	
Storage Temperature	-40 °C ~ 60°C	
Power Consumption	3W (Max.)	
Dimension	118mm (W) x 37.2mm (D) x 34.5mm (H)	(Non-bracket)



## Interface Diagram



1 USB3.0

# 1080P Business Webcam

## UAI4J1700CS

1080P USB Camera, built-in microphones, up to 6meters omidirectional voice pickup, support USB, plug and play, provide high quality A/V experiences.



### Features

▼ 1080P + 108°Wide-angle Lens

Support 1080p HD, support 1080@30FPS/25FPS image encoding output, and compatible with 720P resolution. With a 108 ° ultra - wide -angle lens.

▼ USB 2.0

Full function USB 2.0 interface, power supply, video, audio.

▼ Audio

The built -in microphone can be picked up, and the pick -up distance is as high as 6 meters. At the same time, the MIC IN interface is provided.

▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

▼ Easy Installation

The standard configuration includes a damped rotary support, which is compatible with almost 100% of the displays available on market; it's easy to install, stable and reliable.

### Product Specification

▼ Camera Spec

Sensor	1/2.8 inches, CMOS, Effective Pixels:2.07 Megapixe Scanning
Mode	Progressive
Type of Lens Mount	M12
Lenstf	=2.26mm, Horizontal FOV : 108°
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual, VAR
Bracket	Damping rotating bracket
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation Support	

▼ USB Spec

Operating System	Windows® 7 (only supports 1080P and below), Windows 8.1, Windows 10 or higher; MacOS™ 10.10 or higher; Linux (need to support UVC); Android
Hardware Requirements	2.4 GHz Intel® Core 2 Duo Processor or higher 2 GB memory or higher USB 2.0
Color System / Compression	YUY2 / H.264 / MJPEG 1080P30/25;
Video Format	720P30/25; 960x540P30/25; 640x360P30/25;
USB Video Communication Protocol	UVC 1.1

▼ I/O

USB Interface	1 x USB 2.0, type C
Audio Interface	1 x MIC In, 3.5mm Jack

▼ Generic Spec

Input Voltage	5V (USB Power Supply)
Input Current	0.27A (Max.)
Power Supply Button	Support
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	1.4W (Max.)
No Failure Time	>30000 hours
Dimension	192mm (W) x 42mm (D) x 34m(H)m)
Net Weight	0.214kg



### Interface Diagram

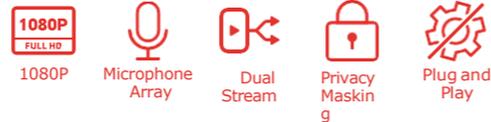


- 1 — MIC IN
- 2 — USB
- 3 — ON/OFF

# 1080P Webcam

## UAI4J1703C

1080P USB Camera, built-in microphones, up to 6meters omidirectional voice pickup, support USB, plug and play, provide high quality A/V experiences.



### Features

▼ **1080P + 90°Wide-angle Lens**

Support 1080p HD, support 1080@30FPS/25FPS image encoding output, and compatible with 720P resolution. With a 90 ° ultra -wide -angle lens. Two lenses are available, 90 °/ 90 ° (with AF).

▼ **USB 2.0**

Full function USB 2.0 interface, power supply, video, audio.

▼ **Audio**

The built -in microphone array can be omnipotent. The distance of the pickup is as high as 6 meters. Unique noise suppression and AGC algorithm make your voice perfect.

▼ **ePTZ**

No mechanical rotating device for more reliable and robust noise-free PTZ feature with more accurate rotation.

▼ **Privacy Masking**

Equipped with an integrated sliding privacy cover to ensure the privacy.

▼ **Low Illumination**

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

▼ **Dual-streaming**

Support dual-streaming simultaneously (YUY2, MJPEG and H.264).

▼ **Easy Installation**

The standard configuration includes a damped rotary support, which is compatible with almost 100% of the displays available on market; it's easy to install, stable and reliable.

### Product Specification

▼ **Camera Spec**

Sensor	1/2.8 inches, CMOS, Effective Pixels:2.07 Megapixe Scanning
Mode	Progressive
Type of Lens Mount	M12
Lens	f=2.8mm, Horizontal FOV: 90°
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual, VAR
Bracket	Damping rotating bracket
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation Support	
Digital Zoom	4x

▼ **USB Spec**

Operating System	Windows® 7 (only supports 1080P and below), Windows 8.1, Windows 10 or higher; MacOS™ 10.10 or higher; Linux (need to support UVC);
Hardware Requirements	2.4 GHz Intel® Core 2 Duo Processor or higher 2 GB memory or higher USB 2.0
Color System / Compression	YUY2 / H.264 / MJPEG 1080P30/25;
Video Format	720P30/25; 960x540P30/25; 640x360P30/25;
USB Video Communication Protocol	UVC 1.1
UAC	Support Support (
UVC PTZ Control	ePTZ)

▼ **I/O**

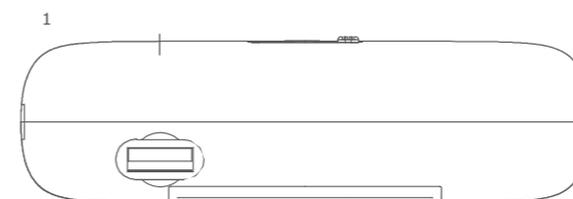
USB Interface	1 x USB 2.0, type A
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▼ **Generic Spec**

Input Voltage	5V (USB Power Supply)
Input Current	0.2A (Max.)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	1W (Max.)
Dimension	103mm (W) × 27mm (D) × 30m(H)mm
Net Weight	153g



### Interface Diagram



1 USB

## All-in-One Video Bar

### Mini USB Video Bar

#### UAI4M20

1080P mini USB video bar, microphone, speaker and camera all-in-one design, plug and play, support portrait and landscape mode, provide high quality A/V experiences.



## Features

### ▼ 1080P + 90° Wide-angle Lens

Support 1080p HD, support 1080@30FPS/25FPS image encoding output, and compatible with 720P resolution. With a 90° ultra-wide-angle lens.

### ▼ Integrated Bionic Design is Simplified

Integrated high-definition cameras, high-sensitivity omnidirectional microphone, and full-frequency speakers, one-and-one design, that is, plug and play to reduce wiring and make video communication easier and simple; unique bionic design allows you to get excellent audiovisual effects in video calls.

### ▼ Full-frequency Speaker

speakers with ducted sound cavity, the treble is clear and penetrating and the bass is naturally surging to providing an extraordinary sound effect.

### ▼ Audio 3A Algorithm

The built-in audio 3A algorithm (AEC/AGC/ANS) and full duplex mode adjust the high and low volume of the balance and suppress the noise automatically while in voice collection to meet your needs for loud and clear communication.

### ▼ TOF High-speed Focusing

The laser-assisted focusing instrument with advanced auto focusing algorithm is to realize high-speed and accurate auto focusing.

### ▼ ePTZ

No mechanical rotating device needed for more accurate rotation accuracy, no noise, more reliable and durable, support 4x digital zoom.

### ▼ Built-in Physical Privacy Masking

Equipped with an integrated sliding privacy cover to protect the privacy.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Landscape and Portrait Mode

Support one-key landscape and portrait switching output to meet the needs of various landscape and portrait live scenes.

### ▼ Easy Installation

The standard configuration includes a damped rotary support, which is compatible with almost 100% of the displays available on market; it's easy to install, stable and reliable.

## Product Specification

### ▼ Camera Spec

Sensor	1/2.8 inches, CMOS, Effective Pixels:2.07 Megapixe Scanning
Mode	Progressive
Type of Lens Mount	M12
Lens	f=2.8mm, Horizontal FOV: 90°
AF Support	TOF Focus
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual, VAR
Bracket	Damping rotating bracket
Privacy Masking	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation Support	
Digital Zoom	4x

### ▼ USB Spec

Operating System	Windows® 7 (only supports 1080P and below), Windows 8.1, Windows 10 or higher; macOS™ 10.10 or higher; Google™ Chromebook™ Version 29.0.1547.70 or higher; Linux (requires support for UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo Processor or higher 2 GB memory or higher USB 2.0
Color System / Compression	YUY2 / H.264 / MJPEG 1080P30/25;
Video Format	720P30/25; 960x540P30/25; 640x360P30/25;
USB Video Communication Protocol	UVC 1.1 Support
UAC	Support (ePTZ)
UVC PTZ Control	

### ▼ I/O

USB Interface	1 x USB 2.0, type C
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### ▼ Audio Features

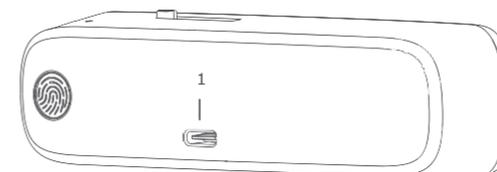
Audio 3A Algorithm	Support AEC/AGC/ANS
IR Remote Control	82 dB SPL at 0.5 m
Microphone	Omnidirectional Microphone, Sensitivity: -30±2dB

### ▼ Generic Spec

Input Voltage	5V (USB Power Supply)
Input Current	0.5A (Max.)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	2.5W (Max.)
Dimension	121mm (W) × 31mm (D) × 35mm (H) (Non-bracket)
Net Weight	139g



## Interface Diagram



1 USB

## All-in-One Video Bar

# 4K All-in-One USB Video Bar

UAI448WB5



4K USB video bar, microphone, speaker and camera all-in-one design, equipped with high quality 4K CMOS sensor, impressive video and audio performance, plug and play, minimal configuration, provide high quality A/V experiences for conferencing.



## Features

### ▼ 4K UHD

Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

### ▼ Integrated Design

The three-in-one design incorporating the 4K UHD camera, the beamforming microphone and the full-frequency speaker helps reduce wiring and makes available easy video communication.

### ▼ Wide FOV

121° wide FOV (110° horizontal FOV), and 5x zoom; optical lenses tailored for video conferences; built-in electric tripod head horizontal and pitch ±15°; easier for participants to be videoed.

### ▼ Beamforming Microphone

Built-in beamforming (BF) microphone, pickup distance is 6m; the low-distortion transverse beamforming algorithm guides the microphone to speaker for better sound effect and make communication more clear, full and true.

### ▼ Full-frequency Speaker

The acoustically designed high-fidelity speaker minimizes interference and offers extraordinary sound effects.

### ▼ Easy to Deploy

Flexible installation such as desktop, wall-mount, and TV/display mount are available for quick install and deploy in a crowded conference room.

### ▼ PnP

Connection to PCs or commercial large screens is realized through PnP USB ports; the out-of-the-box mechanism helps reduce wiring and offers easy-to-handle video communication, thereby lowering the user thresholds.

### ▼ Audio 3A Algorithm

The built-in audio 3A algorithm (AEC/AGC/ANS) and full-duplex mode meet the communication requirements of various rooms; people who sit at the conference table, sit or stand next to you can talk comfortably and clearly.

### ▼ Speaker Phone

Mobile phones and other devices can connect to this device via Bluetooth and use it as Bluetooth microphone and loudspeaker, and to connect phone calls to audio and video conferences.

### ▼ Intelligent Analysis

Built-in intelligent analysis algorithm, voice recognition, participants automatic frame selection, speaker automatic tracking and switching speaker screen to ensure that the speaker is always clear in the screen.

### ▼ Bluetooth 5.0

Using Bluetooth 5.0 technology, compared with the previous generation technology, the transmission speed is increased by 2 times, and the transmission distance is increased by 4 times. Better transmit the high-quality audio between mobile phone and tablet devices to achieve the wireless Bluetooth streaming.

### ▼ Rich Interfaces

HDMI 1.4b and USB3.0 supported; simultaneous output of UHD audios and videos is available.

## Product Specification

### ▼ Camera Spec

Signal System 4K P30, 1080P30, 720P30 etc.

Sensor 1/2.5 inches, CMOS,  
Effective Pixels: 8.51 Megapixels  
121° (DFOV), 110° (HFOV),  
Optical Lens 75° (VFOV), 5x zoom  
Horizontal/pitch ±15°

PTZ Mechanical PTZ (MPT) + e-PTZ (EPTZ)

Digital Noise Reduction 2D & 3D Digital Noise Reduction

Backlight  
Compensation Support  
SNR ≥55dB

### ▼ USB Spec

Type of Connection USB 3.0, downward compatible with USB

Color System / Compression 2.0 YUY2 / MJPEG

USB Audio 32K sampling rate, UAC 1.0 support

USB Video Communication Protocol UVC 1.1

UAC Support

UVC PTZ Control Support (ePTZ)

### ▼ Audio Features

Full-frequency Speaker 96 dB SPL at 0.5 m

Microphone Array Beamforming microphone with 6m pickup distance

Expansion MIC Support (Optional)

### ▼ Others

Installation Support desktop placement, wallmounting and TV-mounting etc.

Method Supplied USB Cable

Cables Anti-theft lock

Safety Protection

### ▼ Generic Spec

Power Supply DC 12V, 2A(Max.)

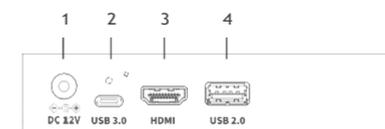
Operating Temperature 0°C - 40°C

Storage Temperature -40°C - 60°C

Dimension 601mm (W) × 141mm (D) × 115mm (H)  
(with bracket)

Net Weight 2.5kg

## Interface Diagram



- 1 — DC 12V
- 2 — USB3.0
- 3 — HDMI
- 4 — USB2.0

## All-in-One Video Bar

### Dual-lens 4K All-in-One USB Video Bar UAI4M2000



4K USB dual-lens video bar, microphone, speaker and camera all-in-one design, equipped with an high quality 4K AF lens and a fixed lens, impressive video and audio performance. Built-in advanced video and audio technology, support AI noise reduction and multiple smart tracking modes, provide high quality A/V experiences, interactive and seamless communication for end users.



## Features

### ▼ 4K UHD

Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.29 million pixels. Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

### ▼ 71° Wide-angle Lens + 12x Optical Zoom

4K optical lens, support max 12x optical zoom and 71° horizontal field of view.

### ▼ Dual Lens Integrated Design

Integrated 4K close-up UHD camera, 4K panoramic UHD camera, beamforming microphone, full frequency speaker in one design, reducing wiring, making video communication easier.

### ▼ Close-up Camera Electric Pan Tilt

Built-in self-developed electric mechanical platform, with a horizontal rotation range of ± 170° and a rotation speed range of 1.7°~76°/s; The vertical rotation range can reach 0.5°~15°/s.

### ▼ Ultra Wide-angle Panoramic Detection

121 degree ultra wide angle panoramic camera, providing wide field of view detection; Optional wall mount bracket and TV bracket, flexible to adapt to various installation scenarios.

### ▼ PnP

Connection to PCs or commercial large screens is realized through PnP USB ports; the out-of-the-box mechanism helps reduce wiring and offers easy-to-handle video communication, thereby lowering the user thresholds.

### ▼ Bluetooth 5.0

Using Bluetooth 5.0 technology, compared with the previous generation technology, the transmission speed is increased by 2 times, and the transmission distance is increased by 4 times. Better transmit the high-quality audio between mobile phone and tablet devices to achieve the wireless Bluetooth streaming.

### ▼ Speaker Phone

Mobile phones and other devices can connect to this device via Bluetooth and use it as Bluetooth microphone and loudspeaker, and to connect phone calls to audio and video conferences.

### ▼ Wireless Screen Projection

Equipped with a built-in WiFi module, it supports wireless screen projection from the computer to the device for HDMI local display or remote screen sharing through USB transmission.

### ▼ Intelligent Analysis

Built-in intelligent analysis algorithm, voice recognition, automatic selection of attendees, automatic tracking of speakers, and switching of speaker screens; Supports picture in picture, providing close-up and panoramic views.

### ▼ Beamforming Microphone

Built-in beamforming (BF) microphone, pickup distance is 6m; the low-distortion transverse beamforming algorithm guides the microphone to speaker for better sound effect and make communication more clear, full and true.

### ▼ Audio 3A Algorithm

The built-in audio 3A algorithm (AEC/AGC/ANS) and full-duplex mode meet the communication requirements of various rooms; people who sit at the conference table, sit or stand next to you can talk comfortably and clearly.

### ▼ Full-Frequency Speaker

The acoustically designed high-fidelity speaker minimizes interference and offers extraordinary sound effects.

### ▼ Rich Interfaces

Supports multiple interface types such as USB3.0, HDMI, RJ45, etc. USB3.0 supports the transmission of ultra high definition audio and video signals.

### ▼ Easy to Deploy

Flexible installation such as desktop, wall-mount, and TV/display mount are available for quick install and deploy in a crowded conference room.

## Product Specification

### ▼ Camera Spec of Close-up Camera

Signal System	4KP60/50/30/25, 1080P60/50/30/25, 720P60/50/30/25 etc
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.29 Megapixels CMOS
Focal length	12x, f=4.4 ~ 51.1mm, F1.8~2.6
Horizontal FOV	70.1°~7.4°
Vertical FOV	40.7°~4.2°
Pan Angle	±170°
Tilt Angle	-30° ~ +30°
Pan Speed	1.7° ~ 76° /s
Tilt Speed	0.5° ~ 15° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
PTZ	Support
AF	Support
White Balance	Support
Backlight	Auto, Indoor, Outdoor, One Push, Manual
Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB

### ▼ Camera Spec of Panoramic Camera

Signal System	4KP60/50/30/25, 1080P60/50/30/25, 720P60/50/30/25 etc
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.29 Megapixels CMOS
Lens	Focal Length: 2.8mm (HFOV) 110° (DFOV) 121° (VFOV) 75°
EPTZ	Support
White Balance	Auto
Backlight	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
SNR	≥55dB

### ▼ Audio Features

Speaker	2
Microphone Array	6 analog silicon microphones, beamforming microphones, pickup distance of 8 meters
Audio 3A Algorithm	Support
Sampling Rate	Mic 32K, Speaker 48K

### ▼ USB Spec

Operating System Supported	Windows® 7 (only supports 1080p and below), Windows 8.1, Windows 10 or higher; MacOS™ 10.10 or higher; Google™ Chromebook™ Version 29.0.1547.70 or higher; Linux (requires support for UVC)
Configuration Requirements	2.4 GHz Intel® Core 2 Duo processor or higher; 2GB memory or higher; USB 2.0 interface (4K requires USB 3.0)
Color System / Compression	MJPEG / YUY2
USB Video Communication Protocol	UVC 1.1, UAC 1.0
UVC PTZ Control	Support (ePTZ)

### ▼ I/O

USB Interface	1 × USB 3.0, type-C 1 × USB 2.0, type-A
HDMI Interface	1 × HDMI
Network Interface	1 × RJ45, Connect to the network port expansion microphone and support PoE power supply; 1 × RJ45, 10/100M adaptive Ethernet port, supporting network transmission of audio and video
Power Interface	DC 12V
Bluetooth	Support
Remote Control	Support

### ▼ Generic Spec

Safety Protection	Kingston anti-theft lock socket
Power	TBD
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Dimension	128.2 (mm) × 59.7 (mm) × 28.2 (mm)
Net Weight	TBD

## Interface Diagram



- 1 — RESET
- 2 — DC 12V
- 3 — HDMI
- 4 — USB 3.0
- 5 — USB 2.0
- 6 — Ext Microphone
- 7 — LAN

## Live Streaming Cameras

# Full HD Live Streaming PTZ Camera

UAI4V71US-I / UAI4V73US-I

1080P USB PTZ Camera, designed for live streaming, support portrait, landscape mode and real time beauty-filter. Smart auto focus and light management technology, plug and play, provide high quality video experiences for end users.



V71US-I



V73US-I

## Features

### ▼ 1080P

Use a high-quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P30fps image output and multiple lower resolutions like 720p.

### ▼ 72.5°Wide-angle Lens + 12xOptical Zoom

1080P optical lens, support max 12x optical zoom and 72.5° horizontal field of view. support 16 times digital zoom.

### ▼ Remote Control

By using RS232, the camera can be controlled.

### ▼ Full Function USB Interface

Full-function USB interface, compatible with USB3.0, USB2.0, supports UVC 1.1 protocols, supports video original images and encoding image output.

### ▼ ToF

The TOF module assists in focusing, allowing the lens to focus quickly, accurately, and stably.

### ▼ Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

### ▼ Microphone1

The built-in microphone, the pick-up distance is 6 meters long, high sensitivity, low-noise.

### ▼ Vertical Screen Output

Support vertical screen output mode.

### ▼ Multiple Interfaces

Support HDMI, USB3.0 streaming simultaneously.

Remark:

1. This function is optional.

## Product Specification

### ▼ Camera Spec

Signal System	1080P50, 1080P30, 1080P25, 2016, 720p30
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	72.5° ~ 6.3°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	±30°
Pan Speed	1.61° ~ 75.56° /s
Tilt Speed	0.44° ~ 15°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Built-in microphone	Support
Microphone pickup distance	6m

### ▼ I/O

USB Interface	1 × USB 3.0, Type-B
HDMI Interface	1 × HDMI 1.4b
Audio Interface	1 × Line In, 3.5mm Jack
Control Interface	1 × RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 × RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JE11A Type (DC IN 12V)

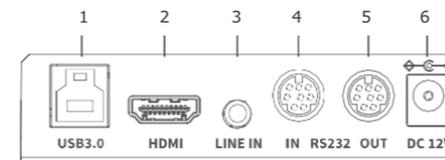
### ▼ USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

### ▼ Generic Spec

Input Voltage	DC 12V
Input Current	12V 1A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W
V71US-I Dimension	118mm (W) × 129.2mm (D) × 157.3mm (H)
V73US-I Dimension	136.2mm (W) × 136.2mm (D) × 158.2mm (H)
V71US-I Net Weight	0.9kg
V71US-I Net Weight	1kg

## Interface Diagram



- 1 — USB3.0
- 2 — HDMI
- 3 — LINE IN
- 4 — RS232 IN
- 5 — RS232 OUT
- 6 — DC 12V

## Live Streaming Cameras

# Full HD Live Streaming PTZ Camera

## UAI4V71UVS-I



1080P USB PTZ Camera, designed for live streaming, support portrait, landscape mode and real time beauty-filter. Smart auto focus and light management technology, plug and play, provide high quality video experiences for end users.



## Features

- 1080P**  
 Use a high-quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P30fps image output and multiple lower resolutions like 720p.
- 72.5°Wide-angle Lens + 12×Optical Zoom**  
 1080P optical lens, support max 12× optical zoom and 72.5° horizontal field of view. support 16 times digital zoom.
- Remote Control**  
 By using RS232, the camera can be controlled.
- Multiple Power Supply Methods**  
 At the same time, it supports USB 5V power supply, 12V power adapter, and POE power supply.
- PoE**  
 The cable network supports POE power supply, control, power supply, video, audio only requires one network cable.

- Low Illumination**  
 The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.
- H.264**  
 The output H.264 stream supports Slice and SVC encoding mode to adapt to high-end USB conference video applications.
- Dual-streaming**  
 Support dual-streaming simultaneously (YUY2, MJPEG and H.264).
- Vertical Screen Output**  
 Support vertical screen output mode.
- Multiple Interfaces**  
 Support HDMI (optional), USB3.0 streaming simultaneously.

Remark:  
1. This function is optional.

## Product Specification

### Camera Spec

Signal System	1080P50, 1080P30, 1080P25, 720P30, 720P30
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	72.5° ~ 6.3°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	±30°
Pan Speed	1.61° ~ 75.56° /s
Tilt Speed	0.44° ~ 15°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Built-in microphone	Support
Microphone pickup distance	6m

### I/O

USB Interface	1 × USB 3.0, Type-B
HDMI Interface	1 × HDMI 1.4b
Audio Interface	1 × Line In, 3.5mm Jack
Control Interface	1 × RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 × RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JE11A 1 type (DC IN 12V)

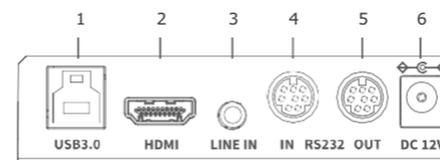
### USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

### Generic Spec

Input Voltage	DC 12V
Input Current	12V 1A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W
V71US-I Dimension	118mm (W) × 129.2mm (D) × 157.3mm (H)
V73US-I Dimension	136.2mm (W) × 136.2mm (D) × 158.2mm (H)
V71US-I Net Weight	0.9kg
V71US-I Net Weight	1kg

## Interface Diagram



- 1 — USB3.0
- 2 — HDMI
- 3 — LINE IN
- 4 — RS232 IN
- 5 — RS232 OUT
- 6 — DC 12V

## Full HD Live Streaming Camera UAI4J2630S

1080P USB Camera, designed for live streaming, support portrait, landscape mode and real time beauty-filter. Smart auto focus and light management technology, plug and play, provide high quality video experiences for end users.



## Features

- ▼ **1080P**  
Use a high-quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P60fps image output and multiple lower resolutions like 720p.
- ▼ **Horizontal and vertical screen output**  
Supports horizontal and vertical screen switching, suitable for both horizontal and vertical display scenarios; USB plug and play, simple and fast.
- ▼ **HDMI 1.4b**  
Supports HDMI1.4b specification and can directly output uncompressed 1080P60 raw videos.
- ▼ **Multiple Interfaces**  
Supports HDMI and USB3.0 to simultaneously output 1080P video.

- ▼ **72.5° Wide-angle Lens + 12×Optical Zoom**  
1080P optical lens, support max 12× optical zoom and 72.5° horizontal field of view.
- ▼ **Full Function USB Interface**  
Full-function USB interface, compatible with USB3.0, USB2.0, supports UVC 1.1 protocols
- ▼ **ToF**  
Equipped with TOF close range assist focusing, combined with advanced focusing algorithms, it can quickly and stably focus regardless of distance.
- ▼ **Two power supply methods**  
Simultaneously supports USB 5V power supply and 12V power adapter power supply.

### ▼ Camera Spec

Signal System	1080P60/50/30/25, 720P60/50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/190s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Image Flip	Support
Image Freeze	Support
Preset Position	255

### ▼ USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2
Video Format	YUY2: Max.1080P@30fps
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

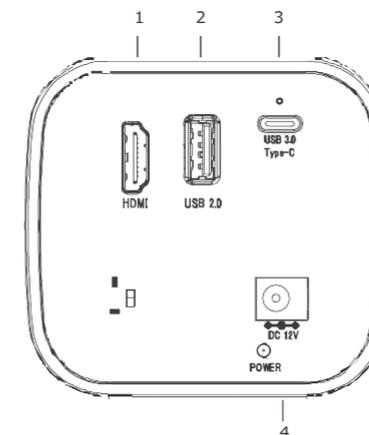
### ▼ Generic Spec

Input Voltage	DC 12V/USB 5V
Input Current	12V 1.0A(Max.)/5V 1.5A(Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	6W (Max.)
Dimension	140mm (W) × 77mm (D) × 73mm (H)
Net Weight	0.7kg

### ▼ I/O

USB Interface	1 × USB 3.0, Type-C Device mode 1 × USB 2.0, TypeA HOST mode
HD Interface	1 × HDMI1.4b
Power Interface	JEITA Type (DC IN 12V) /USB Type-C (DC IN 5V)

## Interface Diagram



- 1 — HDMI
- 2 — USB 2.0
- 3 — USB 3.0
- 4 — DC 12V

## Full HD Live Streaming Camera UAI4J2630X



Designed for both enterprise and personal live streaming scenarios, this high-definition camera boasts a high-quality HD CMOS sensor paired with a 12x optical zoom lens, delivering 1080p full high-definition video quality. With its automatic focus algorithm, it can dynamically adjust to various lighting conditions, ensuring your video is consistently bright and clear.



## Features

### 1080p Full HD

Utilizing a state-of-the-art 1/2.8-inch, 2.07 million effective pixel high-quality HD CMOS sensor from SONY, it can achieve top-notch image quality at a maximum resolution of 1920x1080. With a frame rate output of up to 60fps in 1080p.

### TOF Precision Focus

Equipped with TOF (Time-of-Flight) close-range assistive focusing, combined with advanced focusing algorithms, it can quickly and stably focus on subjects, ensuring that the captured target is always clear and visible, whether near or far.

### User-Friendly Convenience

Simply plug and play with USB support, seamlessly switch between landscape and portrait modes, and with the cold shoe mount, you can easily add supplementary lighting or a microphone. Ideal for a wide range of live streaming applications

### 72.5° Wide-angle Lens + 12x Optical Zoom

Featuring a high-quality 72.5° wide-angle lens with 12x optical zoom and support for up to 16x digital zoom, allowing for clear and detailed shots at greater distances.

### PoE All-in-One

Supports Power over Ethernet (PoE), where control, power, video, and audio can all be transmitted through a single network cable, simplifying and expediting the connection and setup process.

### Multi-Interface Output

Supporting HDMI, USB 3.0, and optional network interfaces, it can simultaneously output uncompressed 1080p60 video streams, making it compatible with a variety of display devices.

### Multiple Power Options

With support for USB 5V power, a 12V power adapter, and PoE (Power over Ethernet), it is suitable for a wide range of scenarios.

## Product Specification

### Camera Spec

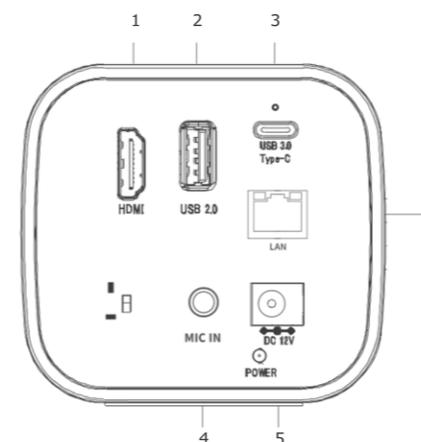
Signal System	1080P60/50/30/25, 720P60/50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Lens	3.5mm ~ 42.3mm, F1.8 ~ F2.8
Optical Zoom	12x
Digital zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/190s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Image Flip	Support
Image Freeze	Support
Preset Position	255

### I/O

USB Interface	1 × USB 3.0, Type-C Device mode 1 × USB 2.0, TypeA HOST mode
HD Interface	1 × HDMI 1.4b
Audio Interface	1 × 3.5mm, Line In
Network	1 × RJ45: 10M/100M/1000M adaptive Ethernet, POE support
Interface Power	JEITA Type (DC IN 12V)

Interface

## Interface Diagram



- 1 — HDMI
- 2 — USB 2.0
- 3 — USB 3.0
- 4 — MIC IN
- 5 — DC 12V
- 6 — LAN

### USB Spec

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2 (Isosynchronous mode): Max.1080P@60fps H.264 AVC: Max.1080P@60fps H.264 SVC: Max.1080P@60fps MJPEG: Max.1080P@60fps
USB Video Support	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

### IPC Spec

Video Compression	H.265/H.264/MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Second Stream Resolution	1280x720, 1024x576, 720x576(50Hz), 720x480(60Hz), Resolution 720x408, 640x360, 480x270, 320x240, 320x180
Video Bit Rate	32Kbps ~ 20480Kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

### Generic Spec

Input Voltage	DC 12V/USB 5V/PoE (802.3af)
Input Current	12V 1.0A(Max.)/5V 1.5A(Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	6W
No Failure Time	>30000 hours
Dimension	77mm (W) × 113mm (D) × 147mm (H) Net
Weight	0.7225kg

# VIDEO CONFERENCING ENDPOINT



## Application Scenarios

Government/enterprise collaboration, video conferencing  
online health care, remote control.



## Video Conferencing Endpoint (H.323/SIP)

### 4K Intelligent Video Conferencing Endpoint UAI4CX200



New generation 4K endpoint, with the powerful processor, CX200 could provide robust and reliable support for video conferencing system. CX200 was designed with multiple interfaces to support a variety of conferencing system, best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.



## Features

### 4K 30fps

Supports the latest H.265 video encoding and decoding, achieving 4K30 ultra high definition video with a bandwidth of 2Mbps, ensuring high-quality video while reducing network construction and operation costs. Simultaneously possessing excellent dual stream collaboration capabilities, supporting dual 4K30+4K30.

### Rich Visual and Audio Interfaces

Supports 4 video inputs and 2 video outputs, 7 audio inputs and 5 audio outputs, supports 4K high-definition and H.265 encoding and decoding, with rich interfaces and flexible adaptation to various peripherals, meeting the needs of large and medium-sized conferences and industries.

### Dual Screen Display

Supports two high-definition video outputs, and can be connected to two large screen display devices at the same time. According to the conference scene, two large screen display devices can simultaneously output different images, improving the conference experience.

### RTMP and RTSP

Supports real-time live streaming of meetings through RTMP streaming to live streaming platforms, and supports streaming from live streaming platforms to terminal playback. The terminal supports streaming input through the network camera RTSP.

### Local USB Drive, Remote Recording and Broadcasting

In addition to supporting remote recording and playback, it also supports USB flash drive recording, plug and play, and secure and confidential meeting records.

## Product Specification

### Standards & Protocol

Multimedia Framework Protocol	ITU-T H.323, IETF SIP
Video Codec Protocol	H.265、H.264 HP、H.264
Audio Codec Protocol	G.711、G.722、G.722.1*、G.722.1C*、AAC-LD、G.726、SILK
Double Stream Protocol	ITU-T H.239、IETF BFCP
Other Communication Protocols	H.221、H.224、H.225、H.235、H.241、H.245、H.281、H.350、H.460、T.140、DTMF
Network Transmission Protocols	TCP/IP、DHCP、SSH、HTTP、HTTPS with SSL/TLS、RTP、RTCP、RFC3261、RFC3264、RFC2190、RFC3407、RFC2833、RFC4585(RTP/AVPF)、SNTP、ARP

### Video Features

First Stream Resolution	4K30、4K15、1080P60、1080P30、720P60、720P30
Second Stream Resolution	HDMI In: VGA (640×480) 60fps、SVGA (800×600) 60fps、XGA (1024×768) 60fps、WXGA (1280×768) 60fps、WXGA (1280×800) 60fps、1280×960 60fps、SXGA (1280×1024) 60fps、1360×768 60fps、1366×768 60fps、1440×900 60fps、1600×900 60fps、720P (1280×720) 60fps、1080P (1920×1080) 24/25/30/50/60fps、4K (3840×2160) 25/30/50/60fps; Out: 1920×1080、3840×2160
Active Double Stream	4K30 + 4K30

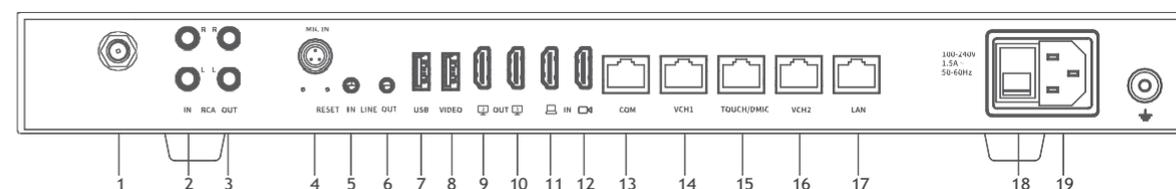
### Bandwidth

IP	64kbps - 8Mbps
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### Reliability & Security

Network Adaptability	Video Forward Error Correction (FEC), Packet Loss Retransmission (ARQ) Automatic speed increase and decrease
Security Management	· H.235 signaling and media stream encryption (AES-128, AES-256); · TLS and SRTP · Administrator password: SSH/HTTPS
Firewall Traversal	H.460, ICE, NAT

## Interface Diagram



- |             |              |                 |             |
|-------------|--------------|-----------------|-------------|
| 1 — Antenna | 6 — LINE OUT | 11 — HDMI IN    | 16 — VCH2   |
| 2 — RCA IN  | 7 — USB      | 12 — HDMI IN    | 17 — LAN    |
| 3 — RCA OUT | 8 — VIDEO    | 13 — COM        | 18 — Switch |
| 4 — MIC IN  | 9 — HDMI OUT | 14 — VCH1       | 19 — Power  |
| 5 — LINE IN | 10 — HDMI IN | 15 — TOUCH/DMIC |             |

### I/O

Video Input Interface	1 × HDMI, Support 4K30fps 1 × HDMI, Support 4K30fps 2 × PSE video network camera input, Max. 4K30fps
Video Output Interface	2 × HDMI, Max. 4K60fps
Audio Input Interface	1 × MINI xlr 1 × 3.5mm 2 × RCA 2 × HDMI Audio 1 × DMIC
Audio Output Interface	1 × 3.5mm 2 × RCA 1 × USB 2.0 1 × HDMI Audio
Network Streaming Interface	2 × RJ45
Conference Control Screen Interface	1 × RJ45
COM Interface	1 × RJ45
Network Interface	1 × RJ45 (10/100/1000M LAN)

### Conferencing Features

Language	Simplified Chinese, Traditional Chinese, English, Polish, etc.
Contacts and Call History	10000 local contacts and call records
Featured Functions	<ul style="list-style-type: none"> <li>· Auxiliary flow accompanying sound;</li> <li>· Infrared penetration; · Time switch;</li> <li>· Support DNS SRV; · Incoming password;</li> <li>· Asymmetric bandwidth;</li> <li>· USB microphone access;</li> <li>· Two or three split screen display;</li> <li>· Network address book;</li> <li>· Built in MCU (optional);</li> <li>· Support web control; · Network upgrade;</li> <li>· Wi Fi access (optional);</li> <li>· RS232 / USB serial API control;</li> <li>· Automatic standby and automatic wake-up of incoming calls;</li> <li>· Automatically obtain static NAT addresses;</li> <li>· Picture in Picture (1/16 screen size), Picture beside Picture;</li> <li>· Support third-party integrated development API interfaces;</li> <li>· GB/T 28181 Video Surveillance (optional)</li> </ul>

### Generic Spec

Power	100v-240v AC
Operating Frequency	50Hz/60Hz
Power Consumption	< 50W
Dimension	430mm (W) × 200mm (D) × 44.4mm (H)
Weight	3.5 Kg
Certification and Standards	CQC、CTA

# Video Conferencing Endpoint (H.323/SIP)

## Full HD Video Conferencing Endpoint UAI4C10



1080P endpoint, high quality image performance and high cyber security, support dual languages Simultaneous interpretation, minimal configuration and compatible with various conferencing platform. Best choice for medium-size conference room, provide high quality A/V experiences and seamless communication for end users.



## Features

### Standard Protocol, Convergence and Interoperability

Standard SIP and H.323 protocols supported; compatible with the industry's mainstream standard terminals and networked devices.

### Low Bandwidth and High Definition

H.264 HP coding standard supported; 50% less bandwidth than the previous-generation compression standard.

### Multiple Sound Input

Various audio input solutions such as USB microphone, analog microphone and linear input are supported to suit different conference scenarios and meet more audio requirements.

### Excellent Network Security

H.460 firewall traversal supported to guarantee the secure connection of public and private networks. Encryption algorithms such as H.235, AES-256, AES-128, SRTP and other protocols are supported for all-round guarantee for IP communication security.

### 1080P Full-HD

1080P60 ultra-fluid full-HD video; four (HDMI +DVI-D + 3G-SDI + VGA) HD video inputs and four (3xHDMI + 3G-SDI) HD video outputs supported.

### Embedded DSP Solution

Embedded DSP Solution hardware solution offers high efficiency and low latency

### Fully Open API

Fully open API supports the development of third-party applications and is easy for secondary development by customer to meet their customization requirements.

### Simultaneous Bilingual Audio Signals Supported

Simultaneous bilingual audio signals are supported; This terminal support simultaneous input /output of voice in two different languages and the flexible mixing and coded output of voice in two different languages.

### Superior Anti-packet Loss Capability

The proprietary FEC technology could be activated in the event of severe network packet loss; the loss of less than 20% packets has no effect on the system, and conferences can still go on even if 30% packets are lost.

### Local and Remote Recording & Broadcasting

Remote recording and broadcasting are supported; conference recording and broadcasting is realized with only one PC. USB flash disk can be used to record and keep conference minutes confidential.

### RTMP Live Streaming (Optional)

The device supports RTMP push streaming to the live broadcast platform for live broadcasting of conference.

### Built-in MCU (Optional)

Built-in MCU (optional) support up to 1+5 terminal HD video conferencing, ideal for small- and medium-sized enterprises that require low cost and simple maintenance of video conferencing.

# Product Specification

## Standard & Protocol

Multimedia Framework Protocol	ITU-T H.323, IETF SIP
Video Codec Protocol	H.261, H.263, H.263+, H.263++, H.264, H.264 High Profile
Audio Codec Protocol	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK
Double Stream Protocol	ITU-T H.239, IETF BFCP
Other Communication Protocols	H.221, H.224, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Network Transmission Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3984, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNMP, ARP, RTMP

## Video Features

Active Image Resolution	<ul style="list-style-type: none"> <li>• 1080p, min. bandwidth 1024Kbps</li> <li>• 720p, min. bandwidth 512Kbps</li> <li>• w448p/4SIF/4CIF, min. bandwidth 256 Kbps</li> <li>• w288p/SIF/CIF, min. bandwidth 128 Kbps</li> </ul>
Data Content Resolution	<ul style="list-style-type: none"> <li>• Input: VGA (640×480), SVGA (800×600), XGA(1024×768), WXGA(1280×768), WXGA(1280×800), 1280×960, SXGA(1280×1024), 1360×768, 1366×768, 1440×900, 1600×900, 720p(1280×720), 1080i(1920×1080), 1080p(1920×1080)</li> <li>• codec: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080</li> <li>• Output: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080</li> </ul>
Active Double Stream	1080P60+1080P60
Other Image Feature	PIP, POP and other display modes supported; three screens and three displays

## Audio Features

Audio Feature	<ul style="list-style-type: none"> <li>• Automatic echo cancellation (AEC)</li> <li>• Automatic gain control (AGC)</li> <li>• Automatic noise suppression (ANS)</li> <li>• Lip-sync supported</li> </ul>
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## Reliability & security

Network Adaptability	Video forward error correction (FEC), automatic repeat request (ARQ) etc
Security Management	<ul style="list-style-type: none"> <li>• H.235 signaling and media stream encryption(AES-128, AES-256)</li> <li>• TLS and SRTP</li> <li>• Administrator password: SSH/HTTPS</li> </ul>
NAT/Firewall Traversal	H.460 static NAT

## Bandwidth

IP	64Kbps ~ 8Mbps
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## I/O

Audio Input Interface	2 × RC Alinear input, 2 × Cannon plug microphone input; 1 × DMIC, 1 × DVI-I, 1 × HDMI
Audio Output Interface	2 × RC Alinear output, 2 × HDMI Audio output:
Video Input Interface	1 × HDMI, 1 × VGA 1 × DVI-I, 1 × 3G-SDI
Video Output Interface	3 × HDMI, 1 × 3G-SDI
USB Interface	2 × USB2.0 (USB flash disk supported)
Network Interface	2 × RJ45: 10/100/1000M LAN
Camera Control Interface	2 × RJ45

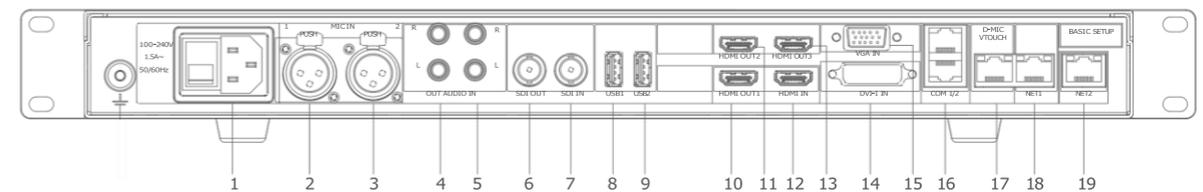
## Conferencing Features

Language	Simplified Chinese, Traditional Chinese, English, Polish, etc.
Contacts and Call History	• 1000 local contacts and call records
Featured Functions	<ul style="list-style-type: none"> <li>• Auxiliary flow accompanying sound;</li> <li>• Time switch; • Support DNS SRV;</li> <li>• Automatic standby and automatic wake-up for incoming calls</li> <li>• Incoming password; • Asymmetric bandwidth;</li> <li>• Automatically obtain static NAT addresses</li> <li>• Picture in Picture (1/16 screen size), Picture beside Picture; • Network address book</li> <li>• Two or three split screen display;</li> <li>• Support for third-party integrated development API interfaces; • Built in MCU;</li> <li>• Support for meeting control and meeting lists</li> <li>• USB microphone connection</li> <li>• USB upgrade, local upgrade, and network upgrade; • Infrared transmission;</li> <li>• Meeting locking; • PC console;</li> <li>• Vtouch control screen; • TR069;</li> <li>• RTMP streaming and pull live streaming</li> </ul>

## Generic Spec

Dimension	<ul style="list-style-type: none"> <li>• Dimension: 375mm (W) × 428mm (D) × 89mm (H)</li> <li>• Net weight: 3.5 Kg</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>• Operating voltage: AC 100V ~ 240V</li> <li>• Operating frequency: 50Hz/60Hz</li> <li>• Max. power consumption: &lt; 50W</li> </ul>
Environmental Requirements	<ul style="list-style-type: none"> <li>• Temperature: 0 °C ~ 40 °C ( working condition ), -40 °C ~ 70 °C ( Non working state )</li> <li>• Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating)</li> <li>• Ambient noise: &lt; 46dBA SPL</li> <li>• Min. illuminance: 5lux</li> <li>• Recommended illuminance: &gt; 300lux</li> </ul>
Certification and Standards	China Telecom Network Access, CCC, CE, RoHS, FCC

## Interface Diagram



- |               |              |              |                  |
|---------------|--------------|--------------|------------------|
| 1 — Power     | 6 — SDI OUT  | 1 — HDMI OUT | 1 — COM1/2       |
| 2 — MIC IN    | 7 — SDI IN   | 1 — HDMI IN  | 6 — D-MIC VTOUCH |
| 3 — MIC IN    | 8 — USB      | 1 — HDMI OUT | 1 — NET          |
| 4 — AUDIO OUT | 9 — USB      | 2 — DVI-I IN |                  |
| 5 — AUDIO IN  | 1 — HDMI OUT | 1 — VGA IN   | 7 — NET          |
|               | 0            | 3            | 8                |
|               |              | 1            | 1                |
|               |              | 4            | 9                |
|               |              | 1            |                  |

## Video Conferencing Endpoint (H.323/SIP)

### All-in-One 4K Video Conferencing Endpoint UAI4CX210



4K all-in-one endpoint, equipped with ~12X lens and high quality 4K CMOS sensor, support dual 4K@30 streaming, best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.



## Features

### 4K 30fps

Equipped with an 8.51 megapixel CMOS sensor chip, it supports the latest H.265 video encoding and decoding, providing high-definition and smooth performance at a bandwidth of 2Mbps 4K@30fps Screen. Supports 4K30+4K30 encoding capabilities, with delicate colors and rich layers, providing you with an exquisite on-site meeting experience.

### Excellent Camera

Electric mechanical pan tilt, 12X optical zoom, providing high-speed and stable autofocus lens, free remote control for far and near video shooting, easy to locate distant scenes, and experience ultra long distance delicate effects.

### Integrated Dual Microphone

Built in dual microphones, precise pickup using beamforming algorithm, unique noise suppression algorithm, making the speaker's voice clearer and more realistic, with pickup distances up to 6 meters.

### Dual Screen Display

Supports two high-definition video outputs, and can be connected to two large screen display devices at the same time. According to the conference scene, two large screen display devices can simultaneously output different images, improving the conference experience.

## Product Specification

### Standard & Protocol

Multimedia Framework Protocol	ITU-T H.323, IETF SIP
Video Codec Protocol	H.265, H.264 HP, H.264 BP, H.263, H.263+
Audio Codec Protocol	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK
Double Stream Protocol	ITU-T H.239, IETF BFCP
Other Communication Protocols	H.221, H.224, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF, TR069, RTMP
Network Transmission Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNMP, ARP

### Video Features

Active Image Resolution	4K30, 1080P60, 1080P30, 720P60, 720P30
Data Content Resolution	HDMI Input: VGA (640×480) 60fps, SVGA (800×600) 60fps, XGA(1024×768) 60fps, WXGA(1280×768) 60fps, WXGA (1280×800) 60fps, 1280×960 60fps, SXGA(1280×1024) 60fps, 1360×768 60fps, 1366×768 60fps, 1440×900 60fps, 1600×900 60fps, 720P(1280×720) 60fps, 1080P(1920×1080) 24/25/30/50/60fps, 4K(3840×2160) 25/30fps; Output: 1920×1080, 3840×2160
Active Double Stream	4K30 + 4K30

### Camera Performance

Sensor	1/2.5 inches, CMOS, Effective Pixel: 8.51M
Lens	f = 3.47mm ~ 41.65mm, F1.84 ~ F3.72
Optical Zoom	12x
Horizontal FOV	71° ~ 8.2°
Vertical FOV	49.9° ~ 4.3°
Pan Angle	+/-170°
Tilt Angle	-30 ~ +30°

### Reliability & Security

Network Adaptability	Video Forward Error Correction (FEC), Packet Loss Retransmission (ARQ) Automatic speed increase and decrease
Security Management	• H.235 signaling and media stream encryption(AES-128, AES-256) • TLS and SRTP • Administrator password: SSH/HTTPS
NAT/Firewall Traversal	H.460, ICE, NAT

### Bandwidth

IP	64kbps ~ 8Mbps
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### I/O

Video Input Interface	1 × HDMI; 1 × Built-in 4K camera
Video Output Interface	2 × HDMI
Audio Input Interface	1 × Built-in microphone 1 × mini xlr 1 × 3.5mm 1 × USB 3.0
Audio Output Interface	1 × HDMI Embedded audio 1 × DMIC 1 × 3.5mm; 1 × USB 3.0
Network Interface	2 × HDMI 1 × RJ45 (10/100/1000M LAN)
Conference control interface	1 × RJ45 Touch 3 × USB
Other Interface	1 × TF 1 × WIFI 1 × Bluetooth

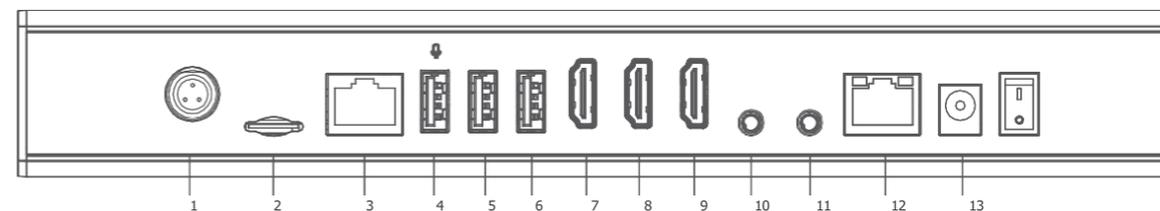
### Conferencing Features

Language	Simplified Chinese, Traditional Chinese, English, Polish, etc.
Contacts and Call History	10,000 local contacts and call records
Featured Functions	• Auxiliary flow accompanying sound; • Infrared penetration; • Time switch; • Support DNS SRV; • Incoming password; • Asymmetric bandwidth; • USB microphone access; • Two or three split screen display; • Network address book; • Built in MCU (optional); • Support web control; • Network upgrade; • Wi Fi access (optional); • RS232/USB serial API control; • Automatic standby and automatic wake-up of incoming calls; • Automatically obtain static NAT addresses; • Picture in Picture (1/16 screen size), Picture beside Picture; • Support third-party integrated development API interfaces; • GB/T 28181 Video Surveillance (optional)

### Generic Spec

Power	100v~240v AC
Power Consumption	36W
Dimension	258mm (W) × 146m(mD) × 170mm (H)
Weight	2.5KG
Certification and Standards	CQC, CTA

## Interface Diagram



- |              |                  |               |             |
|--------------|------------------|---------------|-------------|
| 1 — mini xlr | 5 — USB          | 9 — HDMI IN   | 13 — DC 12V |
| 2 — TF       | 6 — USB          | 10 — LINE IN  |             |
| 3 — RJ45     | 7 — HDMI OUT 2.1 | 11 — LINE OUT |             |
| 4 — USB      | 8 — HDMI OUT 2.1 | 12 — NET      |             |

## Video Conferencing Endpoint (H.323/SIP)

### All-in-One Full HD Video Conferencing Endpoint UAI4C9 Pro



1080P all-in-one endpoint, high quality image performance and high cyber security, minimal configuration and compatible with various conferencing platform. Best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.



## Features

### ▼ All-in-One Integration

For the All-in-one integration, camera and terminal integration is a single device for simple and convenient operation. Externally connected microphones are supported; compact and easy to install and deploy.

### ▼ 1080P Full-HD

Supports 1080P full HD, in addition to supporting built-in high-definition camera input, it also supports DVI-I (compatible with HDMI, VGA/YPbPr) video input. Supports 2-way HDMI high-definition video output.

### ▼ 72.5° Wide-angle Lens + 12x Optical Zoom

72.5° ultra-wide-angle integrated camera with 12x optical zoom.

### ▼ Standard & Protocols Enable Convergence and Interoperability

Standard SIP and H.323 protocols supported; compatible with the industry's mainstream standard terminals and networked devices.

### ▼ Embedded DSP Solution

Embedded DSP hardware solution offers high efficiency and low latency.

### ▼ Multiple Microphone Connection

Various audio inputs such as USB microphone, analog microphone and linear input are supported to suit different conference scenarios and meet more audio requirements.

### ▼ Low Bandwidth, and High Definition

The latest H.264 HP coding standard supported; 50% less bandwidth than the previous-generation compression standard.

### ▼ Excellent Network Security

H.460 firewall traversal supported to guarantee the secure connection of public and private networks. H.235 and SRTP protocols and the encryption algorithms such as AES-128 are supported for all-round guarantee for communication security.

### ▼ Fully Open API

Fully open API supports the development of third-party applications and is easy for secondary development by customer to meet their customization requirements.

### ▼ Built-in MCU (Optional)

Built-in MCU (optional) support up to 1+3 terminal HD video conferencing, ideal for small- and medium-sized enterprises that require low cost and simple maintenance of video conferencing.

### ▼ Local and Remote Recording & Broadcasting

Remote recording and broadcasting are supported; conference recording and broadcasting is realized with only one PC. USB flash disk can be used to record and keep conference minutes confidential.

### ▼ Simultaneous Bilingual Audio Signals Supported

Simultaneous bilingual audio signals are supported; This terminal support simultaneous input/output of voice in two different languages and the flexible mixing and coded output of voice in two different languages.

### ▼ Superior Anti-packet Loss Capability

The proprietary FEC technology could be activated in the event of severe network packet loss; the loss of less than 20% packets has no effect on the system, and conferences can still go on even if 30% packets are lost.

### ▼ RTMP Push & Pull and RTSP Pull Streaming(Optional)

The device supports RTMP push streaming to the live broadcast platform for live broadcasting of conference. RTSP pull streaming can be realized through web cameras.

## Product Specification

### ▼ Standard & Protocol

Multimedia Framework Protocol	ITU-T H.323, IETF SIP
Video Codec Protocol	H.261, H.263, H.263+, H.263++, H.264, H.264 High Profile, H.264 SVC
Audio Codec Protocol	G.711, G.719, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK, Opus
Double Stream Protocol	ITU-T H.239, IETF BFCP
Other Communication Protocols	H.221, H.224, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Network Transmission Protocols	TCP/IP, UDP, DHCP, SSH, HTTP, HTTPS, with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP

### ▼ Video Features

Active Image Resolution	<ul style="list-style-type: none"> <li>• 1080p, min. bandwidth 1024Kbps;</li> <li>• 720p, min. bandwidth 512Kbps;</li> <li>• w448p/4SIF/4CIF, min. bandwidth 256 Kbps;</li> <li>• w288p/SIF/CIF, min. bandwidth 128 Kbps</li> </ul>
Data Content Resolution	<ul style="list-style-type: none"> <li>• Input: VGA (640×480), SVGA (800×600), XGA(1024×768), WXGA(1280×768), WXGA (1280×800), 1280×960, SXGA(1280×1024), 1360×768, 1366×768, 1440×900, 1600×900, 720p(1280×720), 1080p(1920×1080)</li> <li>• codec: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080</li> <li>• Output: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080</li> </ul>
Active Double Stream	1080P30+1080P30
Built-in HD Camera	<ul style="list-style-type: none"> <li>• Input: 1080p;</li> <li>• Sensor: 2.07 megapixels effective pixels, 1/2.8-inch CMOS;</li> <li>• Lens: 12x optical zoom;</li> <li>• Max. horizontal view angle: 72.5°;</li> <li>• PTZ: Horizontal+/-170°, vertical-30° ~ +90°;</li> <li>• Automatic white balance, automatic exposure, and automatic focus supported;</li> <li>• Remote camera control supported;</li> <li>• Mirror/Flip supported;</li> <li>• 255 preset positions</li> </ul>
Other Image Features	PIP, POP and other display modes supported

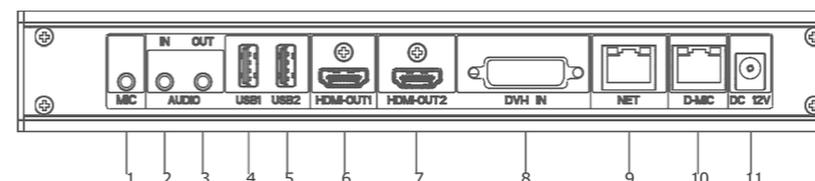
### ▼ Audio Features

Audio Features	<ul style="list-style-type: none"> <li>• Automatic echo cancellation (AEC)</li> <li>• Automatic gain control (AGC)</li> <li>• Automatic noise suppression (ANS)</li> <li>• Lip-sync supported</li> </ul>
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### ▼ Reliability & Security

Network Adaptability	Video forward error correction (FEC), automatic repeat request (ARQ), automatic speed up & down
Security Management	<ul style="list-style-type: none"> <li>• H.235 signaling and media stream encryption(AES-128, AES-256);</li> <li>• TLS and SRTP</li> <li>• Administrator password: SSH/HTTPS</li> </ul>
NAT/Firewall Traversal	H.460, ICE

## Interface Diagram



- 1 — MIC
- 2 — AUDIO IN
- 3 — AUDIO OUT
- 4 — USB
- 5 — USB
- 6 — HDMI OUT
- 7 — HDMI OUT
- 8 — DVI-I IN
- 9 — NET
- 10 — D-MIC/TOUCH
- 11 — DC 12V

### ▼ Bandwidth

IP	64kbps ~ 8Mbps
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### ▼ Cloud Integration

Compatible Brands	Cisco, Pexip, Poly, HUAWEI, etc Cloud platform
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### ▼ I/O

Audio Input Interface	1 × 3.5mm; 1 × 3.5mm (Support phantom power supply) ; 1 × DMIC; 1 × DVI-I; 1 × USB
Audio Output Interface	1 × 3.5mm; 1 × HDMI; 1 × USB
Video Input Interface	1 × built-in camera input 1 × DVI-I (HDMI, VGA/YPbPr); 1 × RTSP (optional)
Video Output Interface	2 × HDMI
USB Interface	2 × USB2.0 (USB flash disk and USB microphone etc. supported) 1 × RJ45: 10/100 Base-T;
Network Interface	1 × Wireless: 802.11a/b/g/n Wi-Fi (optional)

### ▼ Conferencing Features

Language	Simplified Chinese, Traditional Chinese, English, Polish, etc.
Contacts and Call History	10000 Local Contacts and Call Records
Featured Functions	<ul style="list-style-type: none"> <li>• Auxiliary flow accompanying sound;</li> <li>• Network upgrade;</li> <li>• Time switch;</li> <li>• Support DNS SRV;</li> <li>• Incoming password;</li> <li>• Asymmetric bandwidth;</li> <li>• USB microphone access;</li> <li>• Two or three split screen display;</li> <li>• Network address book;</li> <li>• Built in MCU (optional);</li> <li>• Support web control;</li> <li>• Wi Fi access (optional);</li> <li>• RS232/USB serial API control;</li> <li>• Automatic standby and automatic wake-up of incoming calls;</li> <li>• Automatically obtain static NAT addresses;</li> <li>• Picture in Picture (1/16 screen size), Picture beside Picture;</li> </ul>

### ▼ Generic Spec

Dimension/Weight	<ul style="list-style-type: none"> <li>• Dimension: 258mm (W) × 146mm (D) × 170mm (H)</li> <li>• Net Weight: 1.7Kg</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>• Operating voltage: AC 100V ~ 240V, DC 12V</li> <li>• Operating frequency: 50Hz/60Hz</li> <li>• Max. power consumption: 24W</li> </ul>
Environmental Requirements	<ul style="list-style-type: none"> <li>• Temperature: 0° C ~ 40° C (operating state), -40° C ~ 70° C (non-operating state)</li> <li>• Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating)</li> <li>• Ambient noise: &lt; 46 dBA SPL</li> <li>• Min. illuminance: 5 lux</li> <li>• Recommended illuminance: &gt; 300 lux</li> </ul>
Certification and Standards	China Telecom Network Access, CCC

# Video Conferencing Endpoint (Base on Android)

## All-in-One 4K Intelligent Video Conferencing Endpoint UAI4T631 / UAI4T631 Pro



Designed for enterprise collaboration, integrated with camera and endpoint, high quality image performance and audio transmission. Best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.



### Features

#### High Performance Open Platform

**T631:**  
4-core A73+2-core A53, 5T INT8 NPU, Android 9.0 system, providing comprehensive development documentation and SDK for deep customization of video applications.

**T631 Pro:**  
4-core A76+4-core A55, 6TOPs AI NPU, Android 12 system, providing comprehensive development documentation and SDK for deep customization of video applications.

#### Dual Channel Video

**T631:**  
Dual 1080P simultaneous input (1 × Built in MIPI, 1 × HDMI; Dual 1080P simultaneous output (2 × HDMI), supports dual screen display.

**T631 Pro:**  
Dual 4K simultaneous input (1 × Built in MIPI, 1 × HDMI; Dual 4K simultaneous output (2 × HDMI), supports dual screen display.

#### Super Decoding

**T631:**  
1 × 4K@60fps or 2 × 1080P@30fps or 4 × 720P@30fps or 9 × 360P.

**T631 Pro:**  
Max. 8K60fps.

#### Lens

**T631:**  
72.5° ultra-wide-angle integrated camera with 12x optical zoom.

**T631 Pro:**  
80.8° ultra-wide-angle integrated camera with 12x optical zoom.

#### Superstrong NPU

**T631:**  
5 TOPs INT8.

**T631 Pro:**  
6 TOPs AI NPU.

#### Dual Screen Display

Supports dual HDMI output and can display the main and auxiliary currents in full screen.

#### Built in Audio Processing

Equipped with excellent audio processing such as automatic gain control, automatic echo cancellation, and automatic noise suppression, it can support AI intelligent noise reduction; Supports flexible mixing and routing of multiple audio inputs and outputs.

# Product Specification

Difference	T631	T631 Pro
Operating System	Android 9.0	Android 12
CPU	4 × Cortex-A73@2.2GHz + 2 × Cortex-A53@1.8GHz	4 × Cortex-A76 + 4 × Cortex-A55
RAM		4GB
ROM	8GB EMMC (optional 32GB)	16GB EMMC (optional 32GB)
Built-in 1080P HD Camera	• 1080p • Sensor: 2.07 million effective pixel, 1/2.8" CMOS; • Max. Horizontal View Angle: 72.5°;	• 4K30fps • Sensor: 8.51 million effective pixel, 1/2.5" CMOS; • Max. Horizontal View Angle: 80.8°
Video Input Interface	1 × Integrated camera 1 × HDMI, supports HDMI 1.4, Max. 1080P30fps	1 × Integrated camera 1 × HDMI, supports HDMI 2.0, Max. 4K60fps
Video Output Interface	1 × HDMI, supports HDMI 2.1, CEC, Max. 1080P60fps; 1 × HDMI, supports HDMI 1.4, Max. 1080P60fps Video Coding: H.264/H.265	2 × HDMI, HDMI 2.1, CEC, Max. 4K60fps
Video Codec	1 × 1080P@60fps 或 2 × 1080P@30fps; Video decoding: VP9 Profile-2 up to 4K×2K@60fps H.265 HEVC MP-10@L5.1 up to 4K×2K@60fps AVS2-P2 Profile up to 4K×2K@60fps H.264 AVC HP@L5.1 up to 4K×2K@30fps H.264 MVC up to 1080P@60fps	Hardware encoding and decoding H.265 H.264 H.265/H.264/AV1/VP9/AVS2 Video decoding, Max. 8K60fps H.264/H.265 Video Coding, Max. 8K30fps
Audio Interface	1 × USB 2.0	1 × USB 3.0
Control Interface	Camera control interface: 1 × RS232	Control interface: 1 × RJ45 Touch
USB Interface	2 × USB 3.0; 1 × USB 2.0	3 × USB 3.0
Bluetooth (Optional)	BT 5.0	BT 5.2

### Video Features

Built-in Camera	• Lens: 12x Optical Zoom; • PTZ: Horizontal +/-170°; Vertical -30° ~ +30°; • Support auto white balance, auto exposure, auto focus; • Support remote camera control; • Mirror/Flip supported.
Other Image Features	Dual screen different display

### Audio Features

Input	1 × Built-in array microphone; 1 × Microphone (mini cannon interface), support phantom power supply; 1 × 3.5mm linear input; 1 × HDMI IN; 1 × Bluetooth audio input (optional)
Output	1 × 3.5mm linear output; 1 × HDMI OUT; 1 × Bluetooth audio output (optional)
Features	Automatic gain control (AGC); Automatic echo cancellation (AEC); Automatic noise suppression (ANS)

### I/O

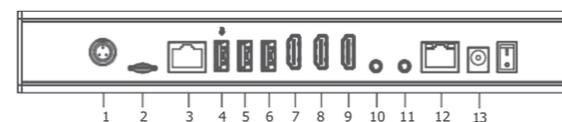
Power Interface	1 × DC 12V Power Interface
Indicator	1 × Two color indicator
IR Interface	1 × IR interface
TF Card Interface	1 × TF card interface, support 128G (max.)
Network Interface	1 × RJ45: 10/100/1000 Base-T 1 × WiFi, 802.11a/b/g/n/ac (optional)

### Connectivity

### General Specification

Dimension	258mm (W) × 146mm (D) × 170mm (H)
Power Supply	• Input Voltage: DC 12V • Power Consumption: 36W
Environmental Requirement	• Temperature: 0°C ~ 40°C (operating state), -40°C ~ 70°C (non-operating state) • Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating)
Certification and Standard	CCC, CTA

# Interface Diagram



- 1 — Mini xlr
- 2 — TF
- 3 — T631: RS232  
T631 Pro: DMIC/VTUOH
- 4 — USB
- 5 — USB
- 6 — USB
- 7 — HDMI OUT 2.1
- 8 — HDMI OUT 2.1
- 9 — HDMI IN
- 10 — LINE IN
- 11 — LINE OUT
- 12 — NET
- 13 — DC 12V

## Video Conferencing Endpoint (Base on Android)

### All-in-One 4K Intelligent Video Conferencing Endpoint UAI4T730 / UAI4T730 Pro



4K endpoint, microphone, speaker, camera and endpoint all-in-one design, impressive video and audio performance, minimal configuration and simple to use. Best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.



## Features

### High Performance Open Platform T730

1 × 4K60fps or 8 × 1080P30fps or 16 × 720P30fps or 32 × 480P30fps or 64 × 360P15fps.

### T730 Pro:

Supports H.265/H.264/AV1/VP9/AVS2 video decoding, up to 8K60fps  
Supports H.264/H.265 video encoding, up to 8K30fps.

### Superstrong CPU T730

4-core A73+2-core A53.  
T730 Pro: 4-core A76+4-core A55.

### Superstrong NPU

T730: 5 TOPS INT8.  
T730 Pro: 6 TOPS.

### Fully Integrated Audio and Video

Integrating a 4K ultra clear camera, array microphone, high fidelity speaker, and high-performance Android chip, a single device can be connected to the network and connected to a display device for meetings.

### One Machine for Dual Use

It can be used as an Android video conferencing terminal or as an integrated audio and video USB camera connected to a PC as a peripheral device.

### Intelligent Analysis

Built-in intelligent analysis algorithm, voice recognition, participants automatic frame selection, speaker automatic tracking and switching speaker screen to ensure that the speaker is always clear in the screen.

### Dual Screen Display

Supports dual HDMI output and can display the main and auxiliary currents in full screen.

## Product Specification

Difference	T730	T730 Pro
Operating System	Android 9.0	Android 12
CPU	4 × Cortex-A73@2.2GHz + 2 × Cortex-A53@1.8GHz	4 × Cortex-A76@2.4GHz + 4 × Cortex-A55@1.8GHz
Video Input Interface	1 × Integrated camera 1 × HDMI, supports HDMI 1.4, Max. 1080P30fps	1 × Integrated camera 1 × HDMI, supports HDMI 2.0, Max. 4K30fps
Video Output Interface	1 × HDMI OUT1, supports HDMI 2.1, Max. 4K60fps 1 × HDMI OUT2, supports HDMI 1.4, Max. 1080P60fps	2 × HDMI OUT, supports HDMI 2.1, Max. 4K60fps
Video Coding	2 × 1080P@60fps VP9 Profile-2 up to 4K×2K@60fps	H.264/H.265, Max. 8K30FPS
Video Decoding	H.265 HEVC MP-10@L5.1 up to 4K×2K@60fps AVS2-P2 Profile up to 4K×2K@60fps H.264 AVC HP@L5.1 up to 4K×2K@30fps H.264 MVC up to 1080P@60fps 1 × USB 3.0 Type-A Host	H.265/H.264/AV1/VP9/AVS2, Max. 8K60fps
USB Interface	1 × USB 3.0 Type-C (Used to connect a PC as a camera and SpeakerPhone apply) 1 × USB 2.0 Type-A OTG	1 × USB 3.0 Type-A Host 1 × USB 3.0 Type-A OTG 1 × USB 3.0 Type-C (Used to connect a PC as a camera and SpeakerPhone apply)

### System

RAM	4GB
ROM	16GB EMMC (optional 32GB)

### Video Features

Built-in Camera	Sensor: 1/2.5 inch CMOS, effective pixel 8.51MP, Field of view angle: DFOV: 121°, HFOV: 110° 5 × Digital zoom Pan head: mechanical pan head, horizontal/pitch: ± 15°; Electronic pan tilt Backlight compensation: supported Digital noise reduction: 2D and 3D digital noise reduction Signal to noise ratio: ≥ 55dB
AI Tracking	supports
Other Image Features	Dual screen different display

### Other I/O

Power Interface	1 × DC 12V/3A
Network Interface	1 × RJ45, 10M/100M/1000M Base-T 1 × RJ45, 10M/100M Base-T, Support 15W PSE
Connectivity	1 × WiFi (2.4G&5.8G), 802.11a/b/g/n/ac (Optional)
Bluetooth	BT 5.0 (Optional)

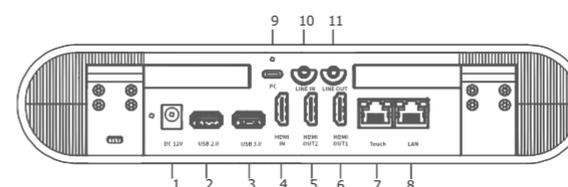
### General Specification

Dimension	601mm (W) × 141mm (D) × 115mm (H)
Power Supply	• Input Voltage: DC 12V • Power Consumption: 36W
Environmental Requirement	• Temperature: 0°C ~ 40°C (operating state), -40°C ~ 70°C (non-operating state) • Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating)
Certification and Standard	CQC, RoHS, CE

### Audio Features

Input	1 × Built-in microphone 1 × USB 1 × HDMI embedded audio input 1 × Bluetooth audio input (optional) 1 × 3.5mm linear input
Output	1 × Integrated speaker (SPL 96dB@0.5m) 1 × USB 1 × HDMI embedded audio output 1 × Bluetooth audio output (optional) 1 × 3.5mm linear output
Features	Automatic gain control; Automatic echo cancellation Automatic noise suppression; Automatic lip sync

## Interface Diagram



1	DC 12V	7	Touch
2	T730:USB2.0;T730Pro:USB3.0	8	LAN
3	USB3.0	9	Type-C
4	HDMI IN	1	LINE IN
5	T730:HDMI OUT2; T730Pro HDMI OUT1	0	LINE OUT
6	T730:HDMI OUT1; T730Pro HDMI OUT2	1	

## Desktop Video Conferencing Endpoint

### Desktop Smart Video IP Phone DT100 / DT101



Integrated with 10.1 inch touch panel, IP phone and high definition camera, support Wi-fi and multiple interfaces, can work with various display to provide a interactive experience for end users.



## Features

### ▼ 1080P High-definition Camera

Equipped with a 90 ° wide angle 1080P camera as standard, the phone is a visual terminal and can be accessed at any time.

### ▼ External Various Display Screens

It can be connected to a PC through an HDMI input interface, or to various display devices such as monitors, commercial display screens, and spliced screens through an HDMI output interface, displaying local images or local/ remote demonstration images on the same screen.

### ▼ Multiple Conference Modes

Simple Meeting: Instant Meeting, Appointment Meeting, Meeting Schedule, Enterprise Address Book, Meeting Invitation;  
Multiple conference modes: speaker mode, rotation mode, voice stimulation mode, fixed multi screen mode, etc;

### ▼ 10.1-inch Large Screen

The 10.1-inch IPS high-definition touch screen is as convenient as operating a phone.

### ▼ Android 9.0

The Android 9.0 system can install third-party conference control applications such as Zoom controllers to control conference or video conference terminals.

### ▼ Standard Protocol, Integration and Interoperability (Supported by DT101)

Supports standard SIP and H.323 protocols, and is compatible with mainstream industry standard terminals and network side devices.

### ▼ Supports Multiple USB Cameras

The flexible camera configuration is the biggest difference from similar products. Although equipped with a 1080P full HD camera as standard, it cannot meet the diverse needs of users in conference scenarios. Therefore, it has two USB ports to connect the two cameras and can be seamlessly switched and used at any time during meetings.

## Product Specification

### ▼ Hardware Platform

Operating System	Android 9.0
CPU	4-core A73+2-core A53
NPU	5 TOPS
Memory	4G RAM+16GB ROM
Wi-Fi Standard	IEEE802.11a/b/g/n/ac,WPA,WPA2
Bluetooth	5.0

### ▼ Standard & Protocol (Only DT101 supports)

Multimedia Framework Protocol	ITU-T H.323, IETF SIP
Video Codec	Encoder:H.264/H.265 2 × 1080P@30fps Decoder: VP9 Profile-2 up to 4K × 2K@60fps H.265 HEVC MP-10@L5.1 up to 4K × 2K@60fps AVS2-P2 Profile up to 4K × 2K@60fps H.264 AVC HP@L5.1 up to 4K × 2K@30fps H.264 MVC up to 1080P@60fps
Audio Codec	AAC-LD、Opus、G.722.1、G.722.1c、G.722、G.71 1a、G.711u、G.726、G.729
Dual Stream Protocol	ITU-T H.239, IETF BFCP

### ▼ Video Features

Touch Screen	10.1-inch IPS touch screen supporting 10-point touch control Resolution: 1280x800 Visual angle: 170 degrees
1080PUSB Camera	Sensor: 1/2.8 inches CMOS, Effective Pixel: 207MP Scanning Mode:Progressive Focal length: f=2.8mm, Horizontal FOV: 90° Minimum Illumination: 0.5Lux@(F1.8,AGCON) Shutter: 1/30s~1/10000s UVC1.1

### ▼ Audio Features

Audio Features	•Automatic echo cancellation (AEC) •Automatic gain control (AGC) •Automatic noise suppression (ANS) •Lip-sync supported
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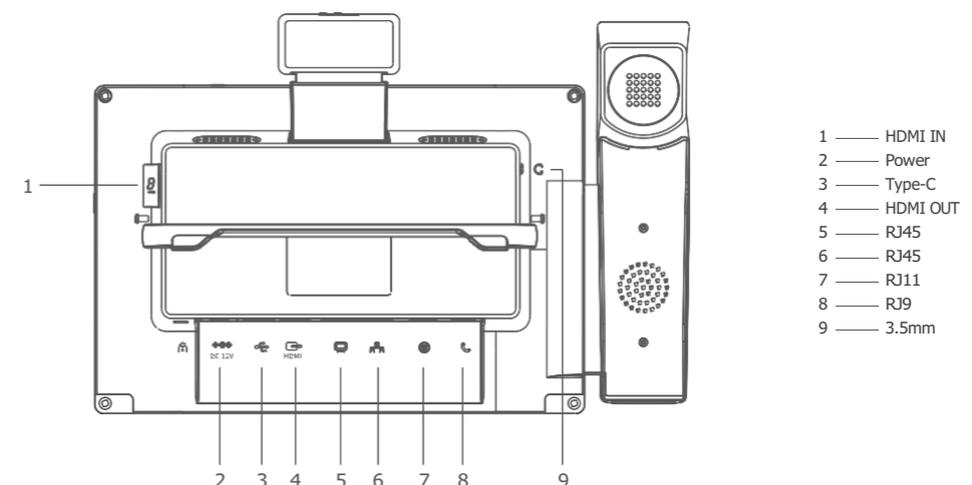
### ▼ I/O

USB Interface	2 × USB2.0 Type-C(host)
HDMI Interface	1 × HDMI IN; 1 × HDMI OUT
Network	2 × RJ45: 10/100/1000 Base-T 1 × WiFi
Interface Handset	1 × RJ9
Interface	1 × RJ11
Phone Interface	1 × DC12V
Power Interface	

### ▼ Generic Spec

Dimension	295mm (W) × 195mm (D) × 63mm (H)
Speaker	1 × 3W
Microphone	2 × mic Pickup 6M
Environmental Requirements	•Operating Temperature: 0° C to 40°C •Operating Humidity: 10% to 80% •Non-Operating Temperature: -40° to -70°C •Non-Operating Humidity (noncondensing): 0% to 95% •Ambient Noise: < 46dBA SPL
Certification and Standards	CCC RoHS

## Interface Diagram





# MICROPHONE



## Application Scenarios

Government collaboration, Conferencing, Online teaching, Personal



## Microphones

### Smart Conferencing Speaker phone

#### HDA10



New generation speakerphone, equipped with four high S/N beam forming microphones and two extension microphones, built-in advanced audio algorithms can support AI echo cancellation and noise reduction, impressive sound performance, large voice pickup range can cover the demand of a large conferencing room.



## Features

### ▼ Fashionable Business Appearance

All aluminum alloy box, metallic silver color scheme, highly textured, suitable for various business scenarios such as meeting rooms and offices.

### ▼ 4+2 Digital Array Microphone

The host is equipped with four high SNR omnidirectional Microphone array, which can locate the speaker's direction and position. Through beamforming algorithm combined with AI technology, high-quality audio can be obtained to ensure smooth remote meetings. At the same time, there are two extended microphones as standard, enabling remote pickup to support large conference rooms.

### ▼ New Generation AI Echo Cancellation System

Equipped with a new generation of traditional signal processing and deep learning echo cancellation system, using highly robust traditional signal processing algorithms and integrating the latest deep learning network (CrossNet), it achieves the effects of both echo cancellation, noise reduction, and ensuring speech quality.

### ▼ New Generation AI Audio Noise Reduction Technology

Adopting multi microphone extraction technology with self positioning target speakers, it can shield common conference noise such as keyboard, mouse or table tapping, fan sound, air conditioning sound, etc. During full duplex calls, it can achieve dual talk without pressure and clear calls, allowing attendees to focus more on the conference content discussion.

### ▼ Professional Design of Sound Chamber

High fidelity acoustics is used to design the sound chamber, and the tweeter and bass speaker units are matched, and professional sound effects are used to tune. When playing music as a desktop audio, the bass is thick, the tweeter is thorough, the voice is clear and natural, and the voice is more exquisite.

### ▼ USB Plug and Play, Hidden Cables, Clean Desktop

Equipped with standard USB2.0 interface, compatible with Type-A/ C connection, device plug and play, and compatible with various mainstream conference software.

## Product Specification

### ▼ Microphone

Microphone Type	High signal-to-noise ratio digital silicon microphone
Microphone Array	Built in six (4+2) MEMS microphones
Microphone Range	360 ° omnidirectional pickup
Polar Distance	Main microphone: 3m Extended microphone: 2m
Sampling Rate	32 KHz high-definition broadband audio
Effective Frequency Range	50Hz ~ 16kHz
Signal to Noise Ratio	94 dB SPL @ 1 kHz , 68 dB(A)
Sensitivity	94 dB SPL @ 1 kHz , -35 dBFS

### ▼ Speaker

Speaker Type	High frequency × 1+Low frequency × 1
Rated Output Power	15W
Effective Frequency Range	50Hz ~ 20kHz
Volume	89 dBA @ 1m
THD	< 3%

### ▼ Audio

Noise suppression	AI noise reduction, eliminating various stationary and non-stationary disturbances Noise, maximum background noise suppression: 90 Db
Full-duplex	Full duplex voice
Echo Cancellation	AI algorithm for echo cancellation
Gain Control	Intelligent gain adjustment control within 10m, clear pickup
Reverberation Suppression	Using AI algorithm to reduce reverberation

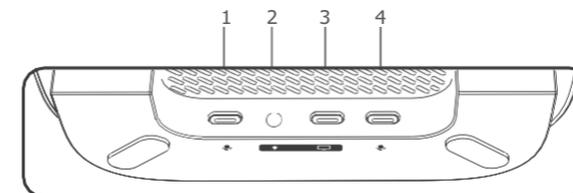
### ▼ Hardware interface

Power Supply Mode	Power: DC12V/2A, External power supply to power the microphone Operating Frequency: 50Hz / 60Hz
Supportive System	Windows / Mac / Android / Linux
USB interface	USB Type-C 2.0×3 (PC×1, external mic×2 )
Pilot Lamp	Circular indicator strip with multiple color combinations, allowing users to easily identify the current working status of the microphone in the product, making operation convenient and concise
Key	Tap the buttons (volume+, volume-, mute, hang up, dial)

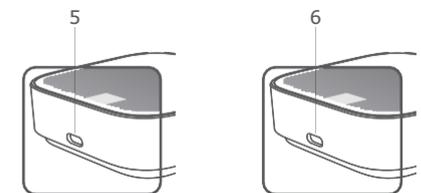
### ▼ Generic Spec

Product Dimension	Main microphone : 150mm (L) × 150mm (W) × 89mm (H) ; Extended microphone : 80mm (L) × 80mm (W) × 25mm (H)
Package Dimension	297mm × 248mm × 125mm
Weight	Main microphone : 1.23 kg Extended microphone : 0.13 kg × 2
Environmental Requirements	• Temperature: 0°C ~ 40°C (operating state), -40°C ~ 60°C (non-operating state) • Relative humidity: 45% ~ 90% (operating state), 30% ~ 90% (non-operating state)

## Interface Diagram



- 1 — Extended Microphone
- 2 — Power Supply
- 3 — USB
- 4 — Extended Microphone



- 5 — Extended Microphone
- 6 — Extended Microphone

## Omnidirectional Microphone HD1003M

Omidirectional USB microphone,plug and play, cost-effective solution for conferencing.



## Features

### ▼ Compact for Excellent Portability

Compact and exquisite USB omnidirectional microphone for good fit in your pockets and excellent portability.

### ▼ Easy to Connect Via PnP

PnP USB is connected to PC, tablet or video conferencing terminal, and is compatible with various systems and software, thus suitable for applications such as video calls.

### ▼ HD Calls and Clear Sound

Smart noise reduction, rich sound, clear call, antiinterference, and high fidelity - teleconferencing and video conferencing are always ready.

### ▼ Wonderful Pickup Tool for Comfortable Communication

360 ° pickup; 3m pickup range; comes with a 5m USB cable (10m optional); no longer confined by the range of conferencing equipment during speech, you can stand and stretch freely during long sessions.



### ▼Microphone

Pickup Distance	3m
Frequency Response	100 ~ 10kHz
Directivity	Omnidirectional
Sensitivity	-40.5 dB(V/Pa)
SNR	64dB
Total Harmonic Distortion	10% ( 1kHz, 120 dB SPL )
Compatibility	Compatible with mainstream operating systems, e.g., Windows XP/Vista/7/8/10/Linux/Android

### ▼Packing

Dimension	Radius 48mm x Thickness 20mm (Φ100mm×20mm )
Weight	0.15kg
Package Includes	Quick Installation Guide, USB cable, omnidirectional microphone

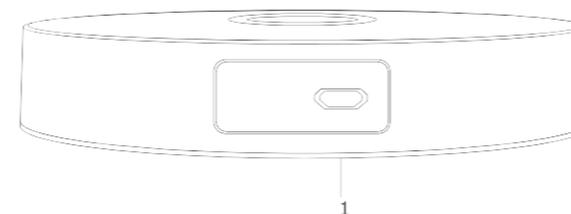
### ▼Hardware I/O

Power Supply	USB: 5V DC, Max. Current: 10mA
Interface	1 x USB Data Communication
Key	1 x Lighted Mute Button
Cable Length	5m ( 10 m Optional )

### ▼ Environmental Conditions

Operating Temperature	0° - 40° C
Relative Humidity	5% - 95% ( non-condensing )
Storage Temperature	-20° - +70° C

## Interface Diagram



1 \_\_\_\_\_ USB

## Microphones

### Conferencing Speakerphone HD200M

Omidirectional USB speakerphone, equipped beam forming microphone, built-in advanced algorithms, support AI noise reduction, sound mix and etc., cost-effective solution for medium-size conference room.



## Features

### ▼ Digital Microphone Array

Digital microphone array, beam forming, clear sound pickup at long distance.

### ▼ Pickup Weapon, Comfortable Communication

Adaptive sound field environment, automatic spokesman, voice enhancement, better anti-interference ability.

### ▼ Audio Algorithm

Built-in multiple audio algorithms, suppress indoor acoustic reverberation, reduce ambient noise, remove echo and howling, double talk without suppression, provide a comfortable listening experience.

### ▼ Plug and Play

Standard USB2.0 type-c and 3.5mm headphone audio interface, plug and play, no need for professional tuning, to meet the dual-mode application of digital and analog audio.

## Product Specification

### ▼ Microphone

Pickup Distance	6m
Frequency Response	50-16kHz
Directivity	Omnidirectional
Sampling Rate	32K sampling, HD wideband audio
Microphone	Built-in three omnidirectional microphone arrays, 360-degree omnidirectional pickup

### ▼ Speaker

Speaker	Full frequency speaker
Power	Max. 3W, effective power consumption 2.2W
Frequency Response	20-20kHz
Volume	85dBA

### ▼ Audio

Noise Suppression	Support
Gain Control	Support
Echo Delay	300ms

### ▼ Connection Method

Interfac	1 × USB TYPE-C (SupportUAC) ; 1 × 3.5mm Audio interface
e Key	5 x sense keys

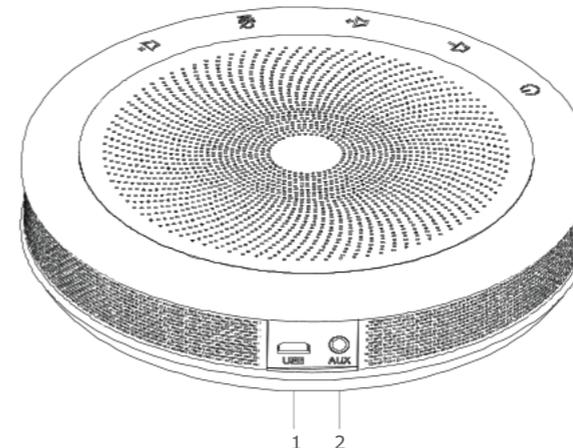
### ▼ Packing

Dimension	75mm (R) x 30mm (H)
Weight	0.48kg
Package Includes	Quick Installation Guide, USB cable, omnidirectional microphone

### ▼ Environmental Conditions

Power Supply	USB: 5V DC, Max. current: 450mA
Operating System Supported	Windows XP/Vista/7/8/10
Operating Temperature	0° -40° C
Storage Temperature	-30° -55° C 20-85% (non-
relative humidity	condensing)

## Interface Diagram



1 \_\_\_\_\_ USB  
2 \_\_\_\_\_ AUX

# Omni-directional Digital Array Microphone HD700M



Omidirectional digital array microphone, up to 8meters voice pickup, minimal configuration, plug and play.



▼ Audio Parameters

Microphone Type	Digital Array Microphone
Microphone Array	Built-in 7 mics to form a circular array microphone
Pickup Distance	8m
Sensitivity	-26 dBFS
SNR	64 dB(A)
Frequency Response	20Hz - 16kHz
USB Protocol	support UAC
Automatic Echo Cancellation (AEC)	Support
Automatic Noise Suppression (ANS)	Support
Automatic Gain Control (AGC)	Support

▼ Hardware I/O

Audio Input	1 x 3.5mm line in
Audio Output	2 x 3.5mm line out
USB Interface	USB audio interface (Type-B), support UAC1.0 protocol, audio data communication, software upgrade and parameter configuration

▼ Generic Spec

Power	USB DC5V
Input	Φ 130mm x H 33mm
Dimension	

Features

▼ Digital Array Microphone, Long Distance Voice Pickup

Digital array microphone, 8-meter distance voice pickup. A hands-free lecture and presentation solution.

▼ Intelligent Voice Tracking

Adaptive blind beamforming technology provides adaptability to different sound environments. With speech reinforcement, the microphone minimizes interference and keeps speech clear.

▼ Multiple Audio Algorithms, High Quality of Sound

Using proprietary technologies including intelligent noise reduction, echo cancellation and reverberation suppression to ensure clear sound quality and comfortable communication. Less requirements of the classroom decoration. Supports full duplex communication.

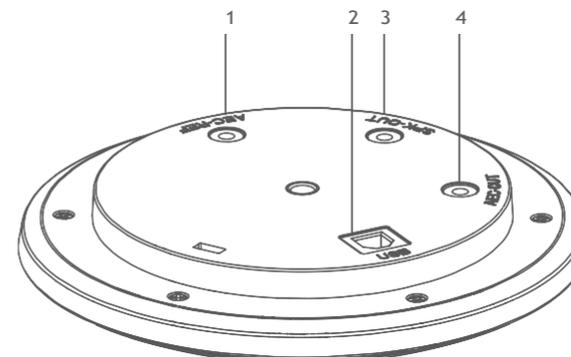
▼ Simply Installation, Plug and Play

Using standard USB2.0 and 3.5 mm audio interface, zero configuration design, plug and play. Simple system and compact appearance, easy to install and maintain. Supports dual-mode (digital, analog) output.

▼ Available in Two Colors, Blends into Different Environments

It adopts the technology of hot laminating and wrapping cloth. With natural visual effect, white design adapts to white walls of classrooms, and black design blends into modern conference rooms.

Interface Diagram



- 1 \_\_\_\_ AEC REF
- 2 \_\_\_\_ USB
- 3 \_\_\_\_ SPK OUT
- 4 \_\_\_\_ AEC OUT

# Microphones

## Cascading Omnidirectional Digital Array Microphone HD702M / HD702MC



Cascade digital array microphone, up to 3meters voice pickup, minimal configuration, plug and play, support max 6 microphones cascading over PoE, can cover the demand of large conference room.



M702	
Microphone Type	Digital Array Microphone
Microphone Array	6 omnidirectional microphones form a circular array for 360 degree omnidirectional pickup
Pickup Distance	3m
Sensitivity	-38 dBFS
Signal Noise Ratio	65 dB(A)
Frequency Response	50Hz - 16kHz
Sampling Rate	32K sampling, high-definition broadband audio
Automatic Echo Cancellation (AEC)	Support
Automatic Noise Suppression (ANS)	Support
Automatic Gain Control (AGC)	Support

# Features

### ▼ Digital Array Microphone

High SNR ring microphone array design, clear pickup from long distance. Let the speaker move around more freely in the room and

get rid of the constraints.

# Product Specification

### ▼ Audio Parameters

### ▼ Hardware I/O

Network Interface	RJ45 up and down cascade network interface
USB Interface	USB audio interface (Type-C), support UAC1.0 protocol, audio data communication, software upgrade and parameter configuration
Analog Audio	AUX1 , AUX2 line audio input and output

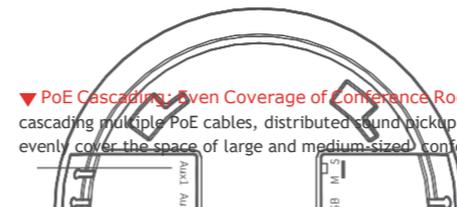
### ▼ Cascade Function

Cascade Mode	PoE network cable
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### ▼ Generic Spec

Power Input	PoE cascade 48V power supply, support IEEE 802.3 at standard / USB 5V 500mA (single)
System	Windows / Mac / Linux
Installation Method	Desktop, lifting, wall mounted, ceiling mounted
Dimension	Φ 170 mm × H 40 mm
Net Weight	370 g

# Interface Diagram



▼ PoE Cascading: Even Coverage of Conference Room Pickup By cascading multiple PoE cables, distributed sound pickup and interaction can evenly cover the space of large and medium-sized conference rooms.

3.5m  
m 3.5m

▼ **Blind Beamforming; Automatic Alignment to Speaker**

With blind beamforming technology, precise positioning, adaptive sound field environment can achieve voice enhancement and better anti-interference ability.

▼ **Smart Audio Algorithms; Clear Natural Sound**

Built in powerful audio processing unit, ultra-low signal processing delay; Adaptive fast convergence algorithm, advanced technologies such as voice intelligent tracking, intelligent noise reduction, echo cancellation, automatic gain, and de reverberation, dual talk without suppression, making it easy to listen in noisy environments.

4 PoE  
5 Type-C

▼ **Standard Interface, Plug and Play**

Adopting the hot adhesive fabric wrapping process, the product can flexibly change the appearance color and pattern, adapt to various classroom decoration styles, integrate with the environment, and have a soft and natural visual effect, easily achieving seamless application in the classroom.

▼ **Flexible Installation for Lifting/Ceiling/Wall Mounting**

Support multiple installation methods such as desktop and lifting, flexible and fast deployment, and reduce operation and maintenance costs.

1

4

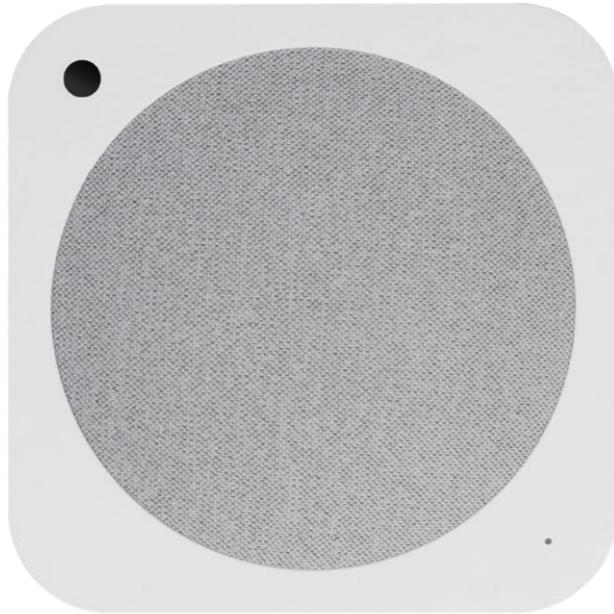


## Microphones

### Dual-mode Ceiling Beamforming Microphone HD850M



Digital array microphone, support voice pickup, local sound amplification and remote interaction, multiple ways of installation.



## Features

#### ▼ Digital Microphone Array for Long Distance Clear Pickup

The ring Microphone array design with high signal-to-noise ratio can clearly pick up sound from a long distance, without contact, so that the speaker can walk around freely in a larger range indoors and get rid of restrictions.

#### ▼ Blind Beamforming, Automatic Alignment with Speakers

With blind beamforming technology, accurate positioning and adaptive sound field environment, Speech enhancement can be achieved and the anti-interference ability is better.

#### ▼ Intelligent Audio Algorithm, Clear and Natural Sound Quality

Built in powerful audio processing unit, ultra-low signal processing delay; Adaptive fast convergence algorithm, multiple advanced technologies such as voice intelligent tracking, howling suppression, intelligent noise reduction, echo cancellation, automatic gain, and de reverberation, dual talk without suppression, making it easy to listen in noisy environments.

#### ▼ Interactive Sound Reinforcement with One Click Switch

Integrated with functions such as remote pickup, local sound reinforcement, and remote interaction, equipped with an infrared remote control, remote interaction and local sound reinforcement can be switched with one click, making it flexible and convenient.

#### ▼ Standard Interface, Plug and Play

Equipped with standard USB2.0 and 3.5mm audio interfaces, the device is plug and play, without the need for professional tuning, meeting the requirements of digital and analog audio dual mode applications.

#### ▼ Flexible Installation for Lifting/Ceiling/Wall Mounting

Supporting multiple installation methods such as lifting, ceiling mounting, and wall mounting, flexible and fast deployment, one-time installation allows the speaker to free their hands, effectively solving equipment management issues such as the use of collar clips/handheld microphones and distribution, recycling, and charging, reducing operation and maintenance costs.

## Product Specification



#### ▼Audio Parameters

Microphone Type	Omnidirectional microphone
Microphone Array	Built-in six omnidirectional microphones form a circular array, 360-degree omnidirectional pickup
Pickup Range	8-meter clear pickup, 3-meter insensitive amplification
Sensitivity	-38 dBFS
Signal Noise to Ratio	65 dB(A)
Frequency Response	20Hz - 16kHz
Sampling Rate	32K sampling, high-definition broadband audio
Echo Cancellation	Support
Noise Suppression	Support
Gain Control	Support
Reverberation Suppression	Support

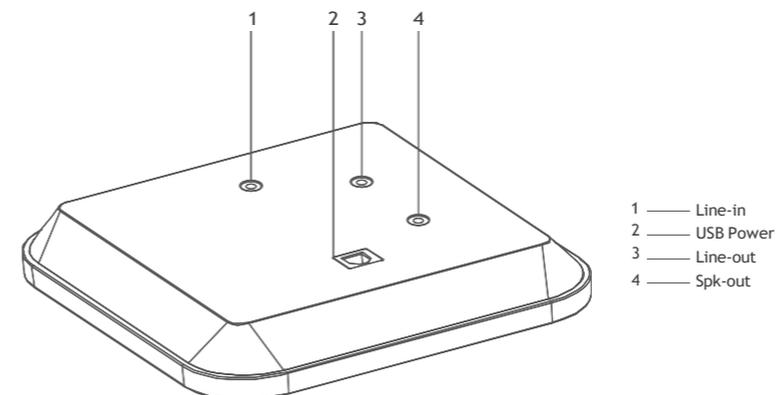
#### ▼Hardware I/O

Audio	1 × 3.5mm in 2 × 3.5mm out
USB Interface	USB audio interface (Type-B), capable of supporting UAC1.0 protocol, audio data communication, software upgrade Level and parameter configuration

#### ▼Generic Spec

Power	USB DC5V
Input	147mm (W) × 147m(Dm) × 38mm (H)
Dimension	

## Interface Diagram



- 1 — Line-in
- 2 — USB Power
- 3 — Line-out
- 4 — Spk-out



# OTHERS



## Application Scenarios

Video conferencing, conferencing control, Electronic access control  
video switching and broadcasting



# Rooms Controller

## CP100 / CP100P

Android touch panel, designed for conferencing, equipped with 10.1' display, bring an interactive and seamless communication for end users.



### Features

▼ **Touch Screen with Android System**

10.1-inch capacitive screen with android 8.1 system, the ZOOM controller and other third-party conference control applications can be installed to control the conference or video conference terminal.

▼ **Full SDK**

Full SDK supports customized development for various industry needs.

▼ **Easy Installation**

Built-in bracket to adjust angle easily and can be wall mounted.

▼ **Built in IP Phone Client (Optional)**

Built in H.323/SIP client software, can be used as an IP phone. You can also install third-party conference software as an audio conference terminal.

▼ **Two Power Supply Modes**

Support USB 5V and PoE power supply.

▼ Difference	CP100	CP100P
Operating System	Android 8.1	Android 9.0
Storage	2G RAM+8GB ROM	4G RAM+16GB ROM
Video Codec	Encoder:H.264@1080P30 Decoder:H.264/H.265/VP8 1080P@60fps	Encoder:H.264/H.265 1 x 1080P@60fps Decoder: VP9 Profile-2 up to 4Kx2K@60fps H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps AVS2-P2 Profile up to 4Kx2K@60fps H.264 AVC HP@L5.1 up to 4Kx2K@30fps H.264 MVC up to 1080P@60fps
Touch Screen	10.1-inch IPS touch screen with 10 point touch support Resolution: 1280x800 Visual angle: 170°	10.1-inch IPS touch screen with 10 point touch support Resolution:1920x1080 ( 1280x800 optional ) Visual angle: 170°
Bluetooth	4.0	5.0
Battery	4900mAH	--

▼ **Hardware Platform**

WIFI Standard	IEEE802.11a/b/g/n/ac,WPA,WPA2
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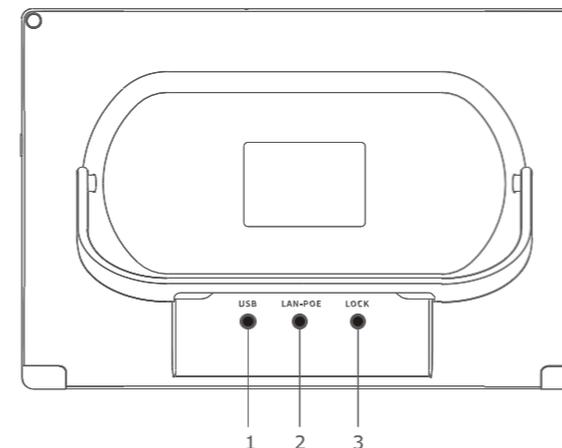
▼ **I/O**

USB Interface	1 x USB2.0 Type-C
Network Interface	1 x RJ45: 10/100 Base-T 1 x WiFi

▼ **Generic Spec**

Dimension	243mm (W) x 164mm (D) x 33mm
Microphone	(H) Pickup distance is 2 meters
Speaker	1 x 1.2W
Environmental Requirements	<ul style="list-style-type: none"> <li>•Operating Temperature: 0° C to 40°C</li> <li>•Operating Humidity: 10% to 80%</li> <li>•Non-Operating Temperature: -40° to -70°C</li> <li>•Non-Operating Humidity (noncondensing): 0% to 95%</li> <li>•Ambient Noise: &lt; 46dBA SPL</li> <li>CCC RoHS</li> </ul>
Certification and Standards	

### Interface Diagram



- 1 \_\_\_\_\_ USB
- 2 \_\_\_\_\_ LAN POE
- 3 \_\_\_\_\_ LOCK

# Camera Control Keyboard

K50

IP controller, support four-axis control and multiple speed level, can control the camera Pan/Tilt/Zoom.



## Features

▼ Support Network Control

Support control through network connection.

▼ Support Multiple Protocols

Support visca, visca over IP, onvif, PELCO-D, pelco-p, NDI and other protocols.

▼ Support Control Camera with Software

Support software function control of the camera, with central control function.

▼ Support Camera Zoom Control

The ship type switch is used to adjust the zoom of the conference camera, which is easy to operate and powerful.

▼ Built-in LCD Display

Built in LCD display, supporting Chinese and English display.

▼ Four-dimensional Remote

The imported variable-speed four-dimensional rocker is used for control, which is comfortable and good. Twisting the rocker can directly control the omni-directional rotation of the conference camera, zoom in and zoom out of the lens. According to the strength of the rocker control, the speed can be controlled and the rhythm can be controlled.

▼ Support IE Browser Configuration

Support control through network connection.

▼ Quick Image Adjustment

Quick image adjustment function, which can be directly adjusted through special knobs and buttons, including Automatic Exposure, Shutter, Aperture, Gain, White Balance, Focus, etc.

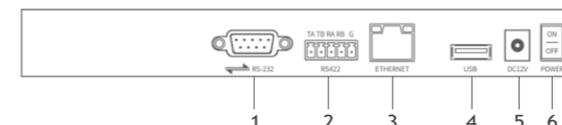
### Protocols

Protocol	Pelco-D, Pelco-P, VISCA, VISCA over IP, Onvif, NDI
Number of Connection	VISCA233: 7 unit / VISCA422: 7 unit / VISCAIP: 64 unit / ONVIF: 110 unit
Knob/Button Function	Menu switch; Backlight compensation on/off; Auto exposure mode, auto white balance mode, auto focus mode; Manual focus adjustment; Preset set, recall, delete; Aperture value adjustment; Red and blue gain adjustment
Interface	1 x RS232, 30m (max.); 1 x RS485/RS422, 1200m (max.); 1 x RJ45, support PoE power supply; 1 x USB (reserved); 1 x DC 12V

### Generic Spec

Input	DC 12V/PoE(802.3af)
Voltage	0.5A (Max.)
Input	0° C - 50° C
Current	
Operating Temperature	-20° C - 70° C
Storage Temperature	0.6W (Max.)
Power Consumption	320mm (W) X 180mm (D) X 100mm (H)
Dimension	1.74Kg
Net Weight	

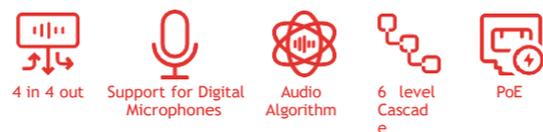
## Interface Diagram



- 1 — RS232
- 2 — RS422
- 3 — ETHERNET
- 4 — USB
- 5 — DC 12V
- 6 — Power Switch

## Accessories

# Digital Audio Signal Processor B20M



Digital audio processor, powerful processor and multiple interfaces, max can support 6 M702 and M702C microphones.



## Features

### Professional Digital Audio Processor

Adopting dedicated chips, embedded architecture, professional digital audio processing, precise volume control, and high efficiency, Low latency makes the system safer, more stable, and more reliable.

### Audio Algorithm

Integrated Automatic Noise Suppression (ANS), Automatic Gain Control (AGC), Automatic Echo Cancellation (AEC), New generation digital audio technologies such as automatic equalization, intelligent microphone mixing, and anti reverberation.

### Cascade

Supports up to 6 cascaded microphone inputs and 4 linear inputs. Support for extended wireless microphone, 4-way Linear output, USB audio input and output.

### Plug and Play Wiring is Simple

Supports standard POE to power digital microphones, with RJ45, USB, and linear audio interface connections. Plug and play, simple engineering wiring, long-distance transmission, and strong anti-interference ability.

## Product Specification

### Hardware Interface

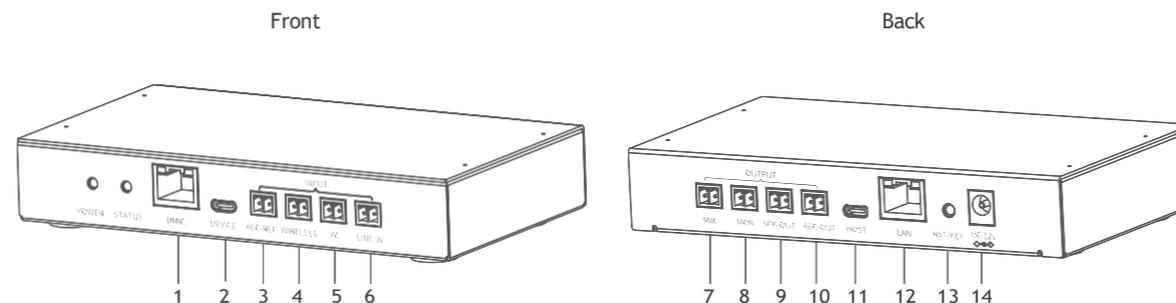
Network Interface	1 × Uplink LAN interface; 1 × Downlink cascaded DMIC interface, with up to 6 levels of microphone cascaded
USB Interface	1 × DEVICE interface, used as a USB audio device to connect to a USB host (such as a PC); 1 × HOST interface, used as a USB host to connect USB devices
Audio Interface	4 × Input Phoenix terminal interface, unbalanced linear audio input; 4 × OUTPUT Phoenix terminal interface, unbalanced linear audio output
Power	Tap the button (mute button with light indication)
Interface Key	

(M702A)

### Generic Spec

Power	DC 12V/3A
POE	POE 48V power supply, supporting IEEE802.3 AT
Dimension	160mm (W) × 88mm (D) × 27mm (H)
Net Weight	Approx 0.4Kg

## Interface Diagram



- 1 — DMIC
- 2 — Type-C
- 3 — AEC-REF
- 4 — WIRELESS
- 5 — PC
- 6 — LINE IN

- 7 — MIX
- 8 — MON
- 9 — SPK-OUT
- 1 — AEC-OUT
- 0
- 1 — HOST
- 1 — RJ45
- 1 — RST/KEY
- 2 — Power
- 1
- 3
- 1
- 4

# Wireless Camera Receiver

## B10WT

4K wireless receiver, simple to use and minimal configuration.



### Features

#### Wireless Transmission

Stable and reliable wireless transmission, 2 × 2 MIMO and transmitter beamforming technology, with a maximum transmission rate of 300Mbps, strong penetration, and a transmission distance of up to 200 meters. Equipped with automatic search and intelligent configuration functions, with high transmission efficiency.

#### One to Many Transmission

A wireless receiving box can be equipped with multiple (up to 8) wireless cameras to form a wireless transmission scheme. The wireless receiving box can access the network through the switch, and can directly pull the Flow network of the corresponding camera. The machine position can be easily arranged without wiring.

#### Wireless characteristics

Wireless mode	5.15-5.35GHz, 5.425-5.725GHz 及 5.745-5.850GHz
Transmitting Power	27dBm
Antenna Mode	2*2MIMO, Beamforming
Bandwidth	20/40MHz channel width selection
Modulation mode	OFDM
Transmission data rate	Max. 300Mbps
Network mode	Point to point, point to multipoint
Penetration power	1-2 walls
Distance	200 meters (can be paired with higher gain antennas for further distances)
standard protocol	802.11a/n

#### Interface

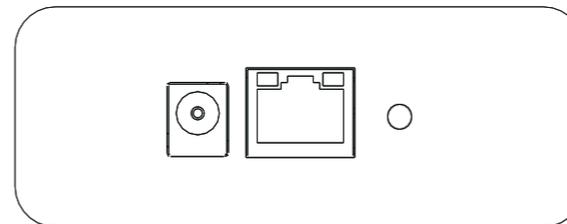
Network Interface	1 × RJ45: 10M/100M adaptive Ethernet
Power interface	port JEITA type (DC IN 12V)
Power indicator light	Red

#### Generic Spec

Input	DC 12V
Voltage	1.0A
Input	-10°C - 40°C
Current	
Operating Temperature	-40°C - 60°C
Storage Temperature	12W (Max.)
Power	135mm (W) × 88mm (D) × 30mm (H)
Consumption	0.27kg
Dimension	

Net Weight

### Interface Diagram



- 1 — Power
- 2 — LAN
- 3 — Power indicator light

1 2 3