

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 Sensor

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|HX2

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.
VX751BAG / VX752AG:
HDMI2.0, USB2.0/3.0, 12G-SDI, LAN. Support HDMI, 12G-SDI, USB, LAN streaming simultaneously.

Remark:

- This function is optional.
- 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 Megapixels	1/2.5 inches, CMOS, Effective 1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels	1/2.5 inches, CMOS, Effective 1/1.8 inches, CMOS, Effective Pixels: 8.51 Megapixels	1/2.5 inches, CMOS, Effective 1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels
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		YUY2: Max.1080P5; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30	
HD Output	1 × 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE424M standard 1 × USB2.0: Type-C(Optional upgrade to USB3.0)		1 × 12G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE2082 standard 1 × USB2.0: Type-C	
USB Interface	1 × RS485: 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P		1 × 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	255
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 Supportedabove version, Android needs to include the version of UVC-related drivers
USB Audio Support	
USB Video Communication Protocol	UVC 1.1~1.5
Color System / Compression	YUY2 / H.264 / MJPEG / H.265
UVC PTZ 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	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI HX2,SRT,TCP/IP, HTTP, RTSP, RTMP(s), Onvif,DHCP,GB/T 28181, Multicast, etc.
Audio Compression	AAC, G711A

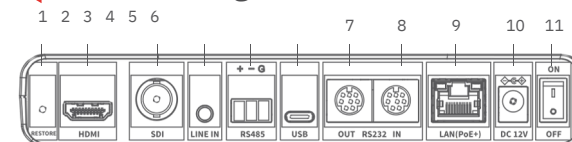
I/O

Network Interface	1 × RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1 × LINE IN: 3.5mm Jack
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)
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

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) × 163mm (D) × 166mm (H)
Net Weight	1.8kg

Interface Diagram



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