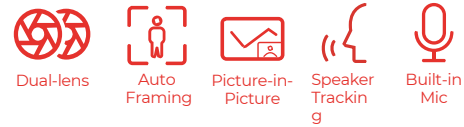


Dual Lens Cameras

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 ModeProgressive
Type of Lens Mount	M12
Student Close -up Lens	f=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 ModeProgressive
Type of Lens Mount	M12
Close -up Lens	f=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

▼ 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 Communication Protocol	UVC 1.1
USB Audio	The maximum 48K sampling rate, supports UAC1.0
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	DC005 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

Interface Diagram

