Dual Lens Cameras

Dual-lens 4K Intelligent Auto Tracking Camera

JUAI4X200I

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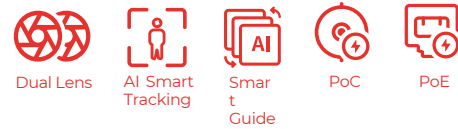
Equipped with high quality 4K CMOS sensor,dual-lens and microphones. With built-in AI capability and algorithm, the camera can achieve a precise and smooth tracking without any additional equipment. PoE support, best choice for live streaming, conferencing and education.

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 omnisient 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 ModeProgressive
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
Backlight Compensation	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 ModeProgressive
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
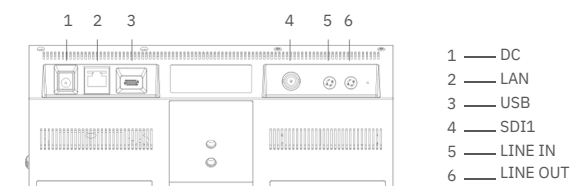
▼ USB Spec

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 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
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 Interface1	POWER，STANDBY
Indicator Light	

▼ 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 WeightTBD