

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 8.31million 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 Resolution	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.

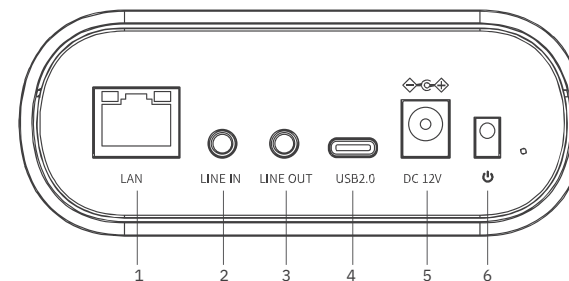
I/O

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