4K UHD Box Camera

RC03

4k Ultra HD

AF Lens

POC & POE

▼ **Ultra 4K HD**
Apply 4K Sensor and 4K Lens, to achieve high-definition EPTZ effect.

▼ **Intelligent teaching tracking**
Built-in advanced image recognization and tracking algorithm, a smooth and natural tracking effect can be achieved without any extra positioning camera or tracking host. Different lenses are used to achieve teacher tracking or student tracking.

▼ **Low Light**
Ultra-high noise ratio of the new CMOS image sensor can effectively reduce the low noise in the case of image noise, while the application of 2D and 3D noise reduction algorithm, significantly reducing the image noise, even under low light conditions, still keep the picture Clean and clear, the image signal to noise ratio up to 55dB or more.

▼ **AF Lens**
42° lens with auto focus is used on teacher tracking camera, low distortion lens is used on student tracking camera, horizontal field of view is up to 95°. EPTZ supported.

▼ **Two interfaces output at the same time**
Support 3G-SDI interface, effective transmission distance up to 150 meters (1080p25). SDI and network can be output at the same time.

▼ **PoC & PoE supported**
Support PoC(Power over Cable) & PoE(Power Over Ethernet). Power, video, audio, control three-in-one.

▼ **Support interleaving mode**
Achieve single camera and single SDI interface to simultaneously output panoramic and close-up signals.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.8", CMOS, Effective Pixel: 8.46M
Scanning Mode	Progressive
Lens Mount	M12
Lens 1 (teacher)	Focus: f=7.2mm, HFOV: 42°
Lens 2 (student)	Focus: f=2.8mm, HFOV: 95°
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	≥55dB
EPTZ	Support
Autofocus	Teacher mode support
Digital zoom	8X
PoE	Support
Lens 1 / 2	Teacher mode / Student mode

▼ IPC FEATURES

Video Compression	H.264 / MJEPG
Video Stream	The first, second, third, fourth stream
The First Stream	1920x1080, 1280x720, 1024x576, 960x540, 640x480,640x360,320x240,320x180
The Second Stream	3840x2160, 1920x1080,1920x1080, 1280x720,1024x576,720x576(50Hz), 720x480(60Hz), 720x408,640x360, 480x270
The Third Stream	1920X1080,1280X720,1024x576, 960x540,720x576(50Hz), 720x480(60Hz),720x408,640x360, 480x270,320x240,320x180
The Fourth Stream	1024x576,960x540,720x576(50Hz), 720x480(60Hz),720x408,640x360, 480x270,320x240,320x180
Video Bit Rate	32Kbps ~ 16384Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	25fps
Audio Compression	AAC/G711A
Audio Bit Rate	96Kbps, 128Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, 28181, Multicast, etc.

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V / PoE (IEEE802.3af) / PoC
Current Consumption	0.5A(Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	6W(Max)
Size	72mm x 60mm x 130mm (not include the protruding part)
Net Weight	0.37kg
MTBF	>30000h

▼ INPUT / OUTPUT INTERFACE

HD Output	1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard, Support PoC
USB Interface	1xUSB2.0: Type A
Network Interface	1xRJ45: 10M/100M/1000M Ethernet Interface, PoE Support
Audio Interface	1x line in: 3pin Phoenix Port
Communication Interface	1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	DC005 type (DC 12V)