

## FEATUES

### ● 4K UHD

Adopts 1/2.7-inch UHD CMOS image sensor. Provides 4K output at 30/25 frames per second. Backward compatible with resolutions such as 1080p and 720p for clear images. Dual camera design, teacher camera: equipped with a 44° wide-angle fixed-focus lens. Supports autofocus to ensure fast focus adjustment when the old moves. Student camera: equipped with a 95° low-distortion wide-angle lens. Provides a wide field of view to easily accommodate all students in the classroom.

### ● Intelligent tracking

Equipped with built-in image recognition and tracking algorithms, the camera seamlessly tracks and captures the movement of the target without the need for additional positioning equipment or tracking hosts, ensuring smooth transitions. Intelligent directing, the camera integrates image recognition, intelligent tracking, and directing algorithms to automatically identify teacher-student interactions. Without manual adjustment, it can switch between teacher wide-angle close-up, blackboard focus, and student wide-angle, accurately covering teaching interactions.

### ● Intelligent blackboard writing

The camera integrates an intelligent blackboard writing algorithm. When the teacher writes on the blackboard, it can generate an unobstructed image or display the content above the teacher's figure, making it convenient for students to take notes. Supports Power over Ethernet (PoE), which combines power, video, audio, and control into a single cable, simplifying installation and improving operational efficiency



## 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
<b>I/O</b>	
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
<b>Network Spec</b>	
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	3840x2160, 1920x1080, 1280x720, etc.
Resolution	
Third Stream Resolution	1920x1080, 1280x720, 1024x576, etc.
Fourth Stream Resolution	1024x576, 960x540, 720x576(50Hz), 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.
<b>Generic Spec</b>	
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