



## Description

The camera features complete functions, excellent performance, and rich interfaces and supports H.265/H.264 encoding and 4K resolution. It is suitable for remote education, teaching recording and broadcasting, conference system, remote training, telemedicine, court hearing system, emergency command system system, etc.

## Feature

1. Equipped with 4K Sensor and 4K lens to achieve high-definition EPTZ effect.
2. With built-in leading image recognition and tracking algorithm, it can realize teacher tracking with smooth and natural tracking effect without any auxiliary positioning camera or tracking host.
3. The fully automatic focus distortion-free lens has a wide-angle field of view up to 95°. Small lens, broad horizon. EPTZ is also supported, to get bigger picture, better view.
4. The brand new CMOS image sensor with ultra-high signal-to-noise ratio can effectively reduce image noise in low illumination situations. Simultaneous application of 2D and 3D noise reduction algorithms significantly reduces image noise. Even in ultra-low illumination situations, the image is still clean and clear, and the image signal-to-noise ratio is as high as 55dB or more.
5. Support 3G-SDI interface, with effective transmission distance up to 150 meters (1080p30). SDI and network can be output simultaneously.
6. Support POE (Power Over Ethernet) N-ISDN function, integrating power, video, audio and control lines into one.
7. Support Interleave mode, which enables a single camera to output panoramic and close-up signals at the same time, achieving the effect of one camera with two lenses
8. Support encoded web stream output with resolutions up to 3840x2160@30fps. And it is downward compatible.
9. Support local storage function, enabling direct local recording of USB flash disk without NVR.



## Specification

Sensor type	1/2.8 inches, CMOS, effective pixels of 8.46 million
Scanning method	Progressive
Lens mount type	M12
Lens	Focal length: f=2.8mm, horizontal field of view: 95°
Auto focus	Supported
Minimum illumination	0.5 Lux @ (F1.8, AGC ON)
Electronic shutter	1/30s ~ 1/10000s
White balance	Automatic, indoor, outdoor, one-touch, manual, specified color temperature
Digital noise reduction	2D, 3D digital noise reduction
BLC	Supported
EPTZ	Supported
Digital zoom	8x
PoE	Supported
Track	Teacher tracking mode supported
Video coding standards	H.265/H.264/MJPEG
Video stream	First code stream, second code stream, third code stream, fourth code stream
First code stream resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Second code stream resolution	3840x2160, 1920x1080, 1920x1080, 1280x720, 1024x576, 720x576(50Hz), 720x480(60Hz), 720x408, 640x360, 480x270, 320x240, 320x180
Third code stream resolution	1024x576, 960x540, 720x576(50Hz), 720x480(60Hz), 720x408, 640x360, 480x270, 320x240, 320x180
Fourth code stream resolution	1024x576, 960x540, 720x576(50Hz), 720x480(60Hz), 720x408, 640x360, 480x270, 320x240, 320x180
Video bit rate	32Kbps ~ 102400Kbps
Code rate control	Variable code rate, fixed code rate
Frame rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio compression standard	AAC
Audio bit rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Supported protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, multicast, etc.
HD output	1-way, 3G-SDI: BNC type, 800mVp-p, 75Ω, following SMPTE 424M standard; PoC supported
USB interface	1 way, USB 2.0, Type A socket
Network interface	1 RJ45: 10M/100M adaptive Ethernet; PoE supported
Audio interface	1-way Line In, 3-core Phoenix interface
Control interface	1-way RS485, 2-core Phoenix interface, maximum distance of 1,200 meters, VISCA/Pelco-D/Pelco-P protocol
Power interface	DC005 type (DC 12V)
Input voltage	DC 12V/PoE (802.3af)
Input current	0.5A (maximum)
Operating temperature	-10°C ~ 40°C
Storage temperature	-40°C ~ 60°C
Power consumption	6W (maximum)
Size	72mm×60mm×130mm
MTBF	>30,000 hours
Net weight	0.45kg