



## Description

It has perfect functions, excellent performance, and rich interfaces; it adopts a new generation of ISP image processing algorithm, provides more perfect white balance and automatic exposure functions, and significantly improves the camera image output performance and the imaging effect. It is widely used in conference rooms, lecture halls, classrooms, training rooms, command centers and other application places.

## Feature

- \*It uses a SONY 1/1.8-inch, 8.42 MP high-quality UHD CMOS sensor, supports 4K60 images, and is backward compatible with multiple resolutions such as 1080P and 720P.
- \*The horizontal field of view supports 60°, the optical zoom supports 20 times, and it supports 16 times digital zoom.
- \*The camera has a built-in monocular human tracking algorithm, which can realize automatic tracking function.
- \*The new CMOS image sensor with ultra-high signal-to-noise ratio can effectively reduce image noise in low-light conditions. The application of 2D and 3D noise reduction algorithms can significantly reduce image noise. Even in ultra-low-light conditions, the picture remains clean and clear, and the image signal-to-noise ratio is as high as over 55dB.
- \*It has an HDMI2.0 high-definition output interface and a 3G-SDI interface. The effective transmission distance of the 3G-SDI interface is up to 150 meters (1080p30). HDMI, LAN, USB or 3G-SDI, USB, LAN can output 3-channel high-definition digital signals at the same time.
- \*Supports multiple control methods, and can use RS232, RS485, network and USB to control the camera.
- \*Supports automatic image flipping function, which is convenient for engineering installation and use.



## Specification

<b>Resolution</b>	HDMI : 4K@60fps , 4K@59.94fps , 4K@50fps , 4K@30fps , 4K@25fps , 4K@29.97fps , 1080P@60fps , 1080P@50fps , 1080I@60fps , 1080I@50fp , 1080P@30fps , 1080P@59.94fps , 1080I@59.94fps , 1080P@29.97fps , 720P@60fps , 720P@59.94fps;3G-SDI : 1080p/60 , 1080p/50 , 1080p/30 , 1080p/29.97 , 1080p/59.94 , 1080p/25 , 1080i/60 , 1080i/50 , 1080i/59.94fps ; 720p/60 , 720p/59.94
<b>Sensor</b>	1/1.8 inches , CMOS , effective 8.42 MP
<b>Scanning method</b>	line-by-line scan
<b>Lenses</b>	20 × , f = 6.25mm ~125mm , F1.58 ~F3.95
<b>Digital zoom</b>	16 ×
<b>Minimum illumination</b>	0.5Lu × @ (F1.8 , AGC ON)
<b>Shutter</b>	1/30s ~1/10000s
<b>White balance</b>	Auto , Indoor, Outdoor, One-touch, Manual, Specified color temperature
<b>BLC</b>	support
<b>Digital noise reduction</b>	3D Digital Noise Reduction
<b>Signal-to-Noise Ratio</b>	≥55dB
<b>Horizontal field of view</b>	60°~3.5°
<b>Vertical field of view</b>	35.7°~2.0°
<b>Horizontal rotation range</b>	±170°
<b>Vertical rotation range</b>	-30°~+90°
<b>Horizontal rotation Speed range</b>	1.7°~100°/s
<b>Vertical rotation speed range</b>	1.7°~69.9°/s
<b>Horizontal and vertical flip</b>	support
<b>Image freeze</b>	support
<b>PoE power supply</b>	support
<b>Number of preset positions</b>	255
<b>Accuracy of preset position</b>	0.1°
<b>USB</b>	Support USB2.0 format
<b>Supported operating systems</b>	Windows 7 , Windows 8 , Windows 10 , Windows 11 , Mac OS X , Linux , Android
<b>Color space/compression</b>	YUY2/H.264/MJPEG/H.265
<b>Video format</b>	YUY2: Maximum 1080P@5fps; H.264 AVC: Maximum 2160P@30fps; H.265 HEVC: Maximum 2160P@30fps; MJPEG: Maximum 2160P@30fps
<b>USB audio</b>	support
<b>USB video communication protocol</b>	UVC 1.1~1.5
<b>UVC PTZ Control</b>	support
<b>Video coding standards</b>	H.265/H.264/MJPEG
<b>Video stream</b>	First stream, second stream
<b>First stream resolution</b>	3840 × 2160 , 1920 × 1080 , 1280 × 720 , 1024 × 576, etc.
<b>Second stream resolution</b>	720 × 480 , 320 × 240, etc.
<b>Video bit rate</b>	32kbps~51200kbps (second channel 32kbps~20480kbps)
<b>Bit rate control</b>	Variable bitrate, fixed bitrate
<b>Frequency</b>	50Hz:1fps~50fps , 60Hz:1fps~60fps
<b>Audio compression standards</b>	AAC
<b>Audio bitrate</b>	96Kbps , 128Kbps
<b>Supporting agreement</b>	NDI® H × 2 , SRT , TCP/IP , HTTP , RTSP , RTMP(s) , Onvif , DHCP , multicast, etc.
<b>HDMI high-definition output</b>	1-channel HDMI 2.0 , video format ;4K@25/30/50/60/59.94/29.97fps ; 1080P@25/30/50/60/59.94/29.97fps ; 1080I@50/60/59.94/29.97fps ; 720P@50/60/59.94fps
<b>SDI HD output</b>	1-channel 3G-SDI: BNC type , 800mVp-p , 75Ω , compliant with SMPTE 424M standard; video formats: 1080P@25/30/50/60/59.94/29.97fps ; 1080I@50/60/59.94fps ; 720P@50/60fps
<b>Network interface</b>	1-channel RJ45: 10M/100M/1000M adaptive Ethernet
<b>Audio port</b>	1-channel Line In , 3.5mm audio interface; 1-channel Line Out , 3.5mm audio interface
<b>USB interface</b>	1-channel USB2.0 , Type-A (configurable as Host or Device by software)
<b>Communication interface</b>	1-channel RS232 In: 8-pin mini DIN , maximum distance 30 meters , VISCA/Pelco-D/Pelco-P protocol; 1-channel RS232 Out: 8-pin mini DIN , maximum distance 30 meters , VISCA protocol for networking; 1-channel RS485: 2-core Phoenix port , maximum distance: 1200 meters , VISCA/Pelco-D/Pelco-P protocol



<b>RESTORE button</b>	support
<b>Power interface</b>	JEITA type (DC IN 12V)
<b>Installation direction</b>	Supports upright and inverted installation
<b>TALLY lamp</b>	1 (red and green)
<b>Power indicator</b>	1 (blue)
<b>Status indicator</b>	1 (yellow)
<b>IR remote control input</b>	support
<b>Dial</b>	support
<b>Input voltage</b>	DC 12V /POE+
<b>Input current</b>	Maximum current 2A
<b>Operating temperature</b>	0°C ~40°C
<b>Stored temperature</b>	-40°C ~60°C
<b>Power consumption</b>	18W
<b>Size</b>	169mm × 142mm × 175mm
<b>Net weight</b>	1.5 kg