



## Descriptions

It is an ultra HD video conference camera that adopts a new generation of ISP for 4KP60; support HDMI + SDI + IP + USB four-channel simultaneous outputs, 12 times / 71 ° wide-angle 4K lens; suitable for remote education, teaching recording, conference system, remote training, Telemedicine, court trial system, emergency command system and others.

## Features

- \* Adopt a new generation of SONY 1 / 2.5-inch high-resolution UHD CMOS sensor with a maximum of 8.51 million pixels, which enables 4K (3840x2160) ultra-high-resolution high-quality images, downward compatibility including 1080P, 720P and other resolutions.
- \* Exclusive custom high-quality true 4K ultra wide-angle lens, 8 million ultra high resolution, 12 times optical zoom, horizontal field angle of up to 71 °.
- \* Support HDMI 2.0 specification to directly output 4K uncompressed digital video.
- \* Support low-power sleep / wake mode. Power consumption is less than 400mW in sleep mode.
- \* The new CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. At the same time, the 2D and 3D noise reduction algorithms are applied to greatly reduce the noise. Even under ultra-low illumination, the picture is still clean and clear, and the image SNR is as high as 55dB.
- \* Support HDMI2.0 HD output, 3G-SDI additional interface, effective transmission distance up to 150 meters (1080p30). HDMI, 3G-SDI, USB typeB, LAN four channels can simultaneously output 4 channels of HD digital signals.
- \* Various control methods; RS232, network and USB can be used to control the camera.
- \* Support image automatic flip function for convenient installation and use.
- \* It can display HDMI and SDI output resolution, frame rate, IP address and other information.

## Specifications

<b>Model</b>	TV-6124K
<b>Signal system</b>	4K @ 60fps, 4K @ 50fps, 4K @ 30fps, 4K @ 25fps, 4K@59.94fps, 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
<b>Sensor</b>	1 / 2.5-inch, CMOS, effective pixels: 8.51 million
<b>Scanning method</b>	Line by line
<b>Lens</b>	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
<b>Digital zoom</b>	16x
<b>Minimum illumination</b>	0.5Lux @ (F1.8, AGC ON)
<b>Shutter</b>	1 / 30s ~ 1 / 10000s
<b>White balance</b>	Automatic, indoor, outdoor, one-click, manual, specified color temperature
<b>BLC</b>	Support
<b>Digital noise reduction</b>	2D & 3D digital noise reduction
<b>SNR</b>	≥55dB
<b>Horizontal field angle</b>	71 ° ~ 8.2 °
<b>Vertical field angle</b>	42.7 ° ~ 4.5 °
<b>Horizontal rotation range</b>	± 170 °
<b>Vertical rotation range</b>	-30 ° ~ + 90 °
<b>Horizontal rotation speed</b>	1.7 ° ~ 100 ° / s
<b>Vertical rotation speed</b>	1.7 ° ~ 69.9 ° / s
<b>Horizontal and vertical flip</b>	Support
<b>Image freeze</b>	Support
<b>PoE power supply</b>	Support (optional)
<b>Face ID</b>	Support (optional)
<b>Preset quantity</b>	255
<b>Preset accuracy</b>	0.1 °
<b>USB features</b>	
<b>Operating systems</b>	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
<b>Color space / compression</b>	YUY2 / H.264 / MJPEG
<b>Video format</b>	YUY2: Maximum 1080P @ 30fps; H.264 AVC: Max 2160P @ 60fps; H.264 SVC: Max 2160P @ 60fps; MJPEG: Max 2160P @ 60fps
<b>USB audio</b>	Support
<b>USB video communication protocol</b>	UVC 1.1 ~ 1.5
<b>UVC PTZ control</b>	Support
<b>Network features</b>	
<b>Video coding Standard</b>	H.264/H.265/MJPEG
<b>Video stream</b>	First stream, second stream
<b>First stream resolution</b>	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
<b>Second stream resolution</b>	1920x1080, 1280x720, 720x576, 720x480, 320x240, etc.
<b>Video bit rate</b>	32kbps ~ 102400kbps
<b>Rate control</b>	Variable bit rate, fixed bit rate
<b>Frequency</b>	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
<b>Audio compression Standard</b>	AAC, G711
<b>Audio code rate</b>	48Kbps, 64Kbps, 96Kbps, 128Kbps
<b>Supporting protocols</b>	TCP / IP, HTTP, RTSP, RTMP, Onvif, DHCP, multicast, etc.
<b>Input and output interfaces</b>	
<b>HD output</b>	1 channel, HDMI: version 2.0; 1 channel, 3G-SDI: BNC type, 800mVp-p, 75Ω, follow SMPTE 424M standard
<b>Network</b>	1 channel, RJ45: 10M / 100M / 1000M adaptive Ethernet
<b>Audio</b>	1 channel, Line In / Mic In, 3.5mm audio interface;
<b>USB</b>	1 channel, USB3.0, can output up to 4K @ 60fps compressed video and 1080P original video
<b>Communication</b>	1 channel, RS232 In: 8-pin small DIN, maximum distance of 30 meters, VISCA / Pelco-D / Pelco-P protocol
<b>Power</b>	JEITA type (DC IN 12V)
<b>General specifications</b>	
<b>Input voltage</b>	DC 12V
<b>Input current</b>	1.0A (maximum)
<b>Operating temperature</b>	-10 ° C ~ 40 ° C
<b>Storage temperature</b>	-40 ° C ~ 60 ° C
<b>Power consumption</b>	12W (maximum)
<b>Dimensions</b>	200mm(W) x 176mm(H) x 130mm(D)
<b>Net weight</b>	1.41kg