Camera
TV-6124HK

Description:

It is an ultra HD video conference camera that adopts a new generation of ISP for 4KP30; support HDMI, LAN or 3G-SDI, LAN simultaneous outputs of 2 HD digital signals, 12 times / 71 ° wide-angle 4K lens; suitable for remote education, teaching recording, conference system, remote training, Telemedicine, court trial system, emergency command system, etc.

Feature:

* * 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 1.4b 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 HDMI1.4b HD output, 3G-SDI additional interface, effective transmission distance up to 150 meters (1080p30). HDMI, LAN or 3G-SDI, LAN can simultaneously output 2 high-definition 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 (SDI cannot display 4K) output resolution, frame rate, IP address and other information.

Specification:

Model	TV-6124K
Signal system	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
Sensor	1 / 2.5-inch, CMOS, effective pixels: 8.51 million
Scanning method	Line by line
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital zoom	16x
Minimum illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1 / 30s ~ 1 / 10000s
White balance	Automatic, indoor, outdoor, one-click, manual, specified color temperature
BLC	Support
Digital noise reduction	2D & 3D digital noise reduction
SNR	≥55dB
Horizontal field angle	71 ° ~ 8.2 °
Vertical field angle	42.7 ° ~ 4.5 °
Horizontal rotation range	± 170 °
Vertical rotation range	-30 ° ~ + 90 °
Horizontal rotation speed	1.7 ° ~ 76 ° / s
Vertical rotation speed	0.5°~ 15°/s
Horizontal and vertical flip	Support
Image freeze	Support
PoE power supply	Support
Face ID	Not support
Preset quantity	255
Preset accuracy	0.1 °
USB features	
Operating systems	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color space / compression	YUY2 / H.264 / MJPEG
Video format	YUY2: Maximum 1080P @ 30fps; H.264 AVC / SVC: Max 2160P @ 60fps; MJPEG: Max 4KP30
USB audio	Support
USB video communication protocol	UVC 1.1 ~ 1.5
UVC PTZ control	Support
Network features	
Video coding Standard	H.264/H.265/MJPEG
Video stream	First stream, second stream
First stream resolution	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
Second stream resolution	1920x1080, 1280x720, 720x576, 720x480, 320x240, etc.
Video bit rate	H264: ~60Mbps, MJPEG: ~200Mbps
Rate control	Variable bit rate, fixed bit rate
Frequency	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio compression Standard	AAC, G711A
Audio code rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Supporting protocols	TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif, DHCP, SRT, GB/T28181, multicast, etc.
Input and output interfaces	
HD output	1 channel, HDMI: version 1.4b; 1 channel, 3G-SDI: BNC type, 800mVp-p, 75Ω, follow SMPTE 424M standard
Network	1 channel, RJ45: 10M / 100M / 1000M adaptive Ethernet, support POE
Audio	1 channel, Line In / Mic In, 3.5mm audio interface;
USB	1 channel, USB3.0, can output up to 4K @ 30fps compressed video and 1080P original video
Communication	1 channel, RS232 In: 8-pin small DIN, max distance of 30 meters, VISCA / Pelco-D / Pelco-P protocol; 1 channel, RS232 OUT: 8-pin small DIN, max distance of 30 meters, for VISCA protocol networking; 1 channel, RS485: 2-pin Phoenix port, max distance of 1200 meters, VISCA / Pelco-D / Pelco-P protocol;
Power	JEITA type (DC IN 12V)
General specifications	
Input voltage	DC 12V
Input current	1.0A (maximum)
Operating temperature	-10 ° C ~ 40 ° C
Storage temperature	-40 ° C ~ 60 ° C
Power consumption	12W (maximum)
Dimensions	238mm(W) x 166.35mm(H) x 131.8mm(D)
Net weight	1.35kg