



# HD Video Conference Camera

## Embedded software: HD video conference camera embedded software V2.0 TV-6124HK(1)



### Description:

Ultra-high-definition video conferencing camera, adopts a new generation of ISP to support ultra-high-definition 4K30, supports HDMI, LAN, USB or 3G-SDI, LAN, USB to output 3 channels high-definition digital signals at the same time, and has a 12x/71° wide-angle 4K lens; it is suitable for distance education, teaching recording and broadcasting, conference systems, remote training, telemedicine, trial systems, emergency command systems and other application places.

### Feature:

- \* Adopt a new generation of SONY 1/2.5-inch UHD CMOS sensor with a maximum of 8.51 million pixels; realize 4K (3840x2160) UHD high-quality images; downward compatible with 1080P, 720P and other resolutions.
- \* Exclusive custom high-quality true 4K ultra wide-angle lens, 8 million ultra high resolution, 12x optical zoom, Horizontal field of view up to 71°.
- \* Support HDMI 1.4b specification, support direct output of 4K uncompressed digital video.
- \* Support low-power sleep/wake-up, the power consumption in sleep state is less than 400mW.
- \* The new CMOS image sensor with ultra-high SNR can effectively reduce image noise under low illumination conditions; 2D and 3D noise reduction algorithms can greatly reduce image noise, keeping the picture clean and clear even in ultra-low illumination conditions; the image SNR reaches 55dB or more.
- \* Support HDMI1.4b high-definition output, equipped with 3G-SDI interface, effective transmission distance up to 150 meters (1080p30), also supports USB video output. HDMI, LAN, USB or 3G-SDI, LAN, USB can output 3 channels of high-definition digital signals at the same time.
- \* Various control methods: RS232, network and USB can be used to control the camera.
- \* Support the automatic image flip function, convenient for engineering and use.
- \* It can display information such as HDMI and SDI (SDI cannot support 4K) output resolution, frame rate and IP address.

### Specification:

Model	TV-6124HK(1)		
Signal system	4K@30fps, 4K@29.97fps, 4K@25fps, 1080P@60fps, 1080P@50fps, 1080I@60fps, 1080I@50fps, 1080P@30fps, 1080@25fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps, 720P@50fps		
Sensor	1/2.5 inch, CMOS, effective pixel: 8.51 million		
Scanning method	Progressive scanning		
Lens zoom	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-button, Manual		
BLC	Support		
Digital noise reduction	2D&3D digital noise reduction		
SNR	≥55dB		
Horizontal field of view	71°~ 8.2°		
Vertical field of view	42.7°~ 4.5°		
Horizontal rotation range	±170°		
Diagonal field of view	≥80°		
Vertical rotation range	±30°		
Horizontal rotation speed	1.7°~ 76°/s		
Vertical rotation speed	0.5°~ 15°/s		
Horizontal and vertical flipping	Support		
Image freeze	Support		
PoE power supply	Support		
Face recognition	Not support		
Preset position quantity	255		
Preset position accuracy	0.1°		
Operating system	Windows 7, Windows 8, Windows 10, Mac OS X, Android		
Color space/compression	YUY2/H.264/H.265/MJPEG		
Video format	YUY2: Max 1080P@30fps	H.264 AVC/SVC: Max 2160P@30fps	MJPEG: Max 4K30
USB video format	YUY2: Max 1080P@30fps	H.264 AVC/SVC: Max 2160P@30fps	MJPEG: up to 4K30
USB audio	Support		
USB video communication protocol	UVC 1.1~1.5		
UVC PTZ control	Support		
Video coding standard	H.264/H.265/MJPEG		
Main stream resolution	3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 720x408, 640x480, 640x360, etc.		
Auxiliary stream resolution	720x480, 720x408, 640x480, 640x360, 480x320, 320x240, etc.		
Video bit rate	H264: ~60Mbps, MJPEG: ~200Mbps		
Rate control	Variable bit rate, fixed bit rate		
Frequency	50hz: 4k encoding supports a maximum of 30 frames, 1080p encoding supports a maximum of 50 frames, 60hz: 4k encoding supports a maximum of 30 frames, and 1080p encoding supports a maximum of 60 frames		
Audio compression standard	AAC, G711A		
Audio code rate	48Kbps, 64Kbps, 96Kbps, 128Kbps		
Communication protocol	TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif, DHCP, SRT, GB/T28181, Multicast, etc.		
HD output	1channel, HDMI: Version 1.4b; 1ch, 3G-SDI: BNC type, 800mVp-p, 75Ω, SMPTE 424M compliant		
Network port	1 channel, RJ45: 10M/100M/1000M adaptive Ethernet, support POE		
Audio port	1 channel, Line In/Mic In, 3.5mm audio port		
USB port	1 channel, USB3.0, up to 4K@30fps compressed video and 1080P original video output		
Communication port	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 networking; 1 channel, RS485: 2-pin Phoenix port, maximum distance: 1200 meters, VISCA/Pelco-D/Pelco-P protocol		
Power connector	JEITA type (DC IN 12V)		
Input voltage	DC 12V		
Input current	1.0A (maximum)		
Working temperature	-10°C ~ 40°C		
Storage temperature	-40°C ~ 60°C		
Power consumption	12W (maximum)		
Dimension	238×166.35×131.8mm (W×H×D)		
Net weight	1.35kg		