Camera TV-HD66K /customized/

HD video conference camera embedded software V2.0

Description

It has complete functions, excellent performance, and rich interfaces; it is widely used in conference rooms, lecture halls, classrooms, training rooms, command centers and other application places.

Features

*The camera has AI algorithm capabilities and is equipped with advanced AI algorithms to achieve monocular human tracking. At the same time, the camera can be used with other tracking devices to achieve intelligent directing functions in scenes such as education, conferences, and live broadcasts.

*It uses a SONY 1/1.8-inch, 8.42MP high-quality UHD CMOS sensor, which can achieve 4K ultra-high resolution high-quality images; and is backward compatible with multiple resolutions such as 1080P and 720P.

*It uses high-quality true 8MP ultra-high resolution 4K super telephoto lens, 30x optical zoom, and a field of view of up to 60°.

*Equipped with HDMI2.0 interface, it can directly output 4K @ 60 uncompressed digital video.

*The use of a CMOS image sensor with an ultra-high signal-to-noise ratio can effectively reduce image noise in low-light conditions; and the application of 3D noise reduction function can also significantly reduce image noise. Even in low-light conditions, the picture can still be kept clean and clear, with an image signal-to-noise ratio of up to 55dB.

*Equipped with 3G-SDI interface, the effective transmission distance is up to 150 meters (1080p30); HDMI or 3G-SDI and USB, LAN can output 3-way high-definition digital signals simultaneously.

*Supports multiple control methods, including RS232, RS485, network and USB, and can remotely control the camera.

*Built-in gravity sensor supports automatic image flipping function, which is convenient for engineering installation and use.

Specification

Signal system	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@2 5FPS.1080P@59.94fps,1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps.720P@50fps
Sensor	1/1.8 inches, CMOS, effective pixels: 8.42MP
Scanning method	Progressive Scan
Lenses	30x, f = 7.1mm~210mm, F1.61~F5.19
Minimum illumination	0.5Lux @ (F1.8, AGC ON)
shutter	1/30s ~ 1/10000s
White balance	Automatic, Indoor, Outdoor, One-touch, Manual
Backlight compensation	Support
Digital noise reduction	3D Digital Noise Reduction
Signal-to-Noise Ratio	≥55dB
Horizontal field of view	55° ~70°
Vertical field of view	34.6° ~ 1.4°
Horizontal rotation range	±170°
Vertical rotation range	-30° ~ +90°
Horizontal rotation speed range	1.7° ~ 100°/s
Vertical rotation speed range	1.7° ~ 69.9°/s
Horizontal and vertical flip	support
Image freeze	support
PoE power supply	support
Number of preset positions	255
Preset position accuracy	0.1°
USB	Support USB3.0
Supported operating systems	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color space/compression	H.264 / MJPEG /H.265
Video format	YUY2: Maximum 1080@30fps; H.264 AVC: Maximum 2160P@30fps; H.264 SVC: Maximum 2160P@30fps; H.265 SVC: Maximum 2160P@30fps; MJPEG: Maximum 4K@30fps
USB audio	support
USB video communication protocol	UVC 1.1~1.5
UVC PTZ control	support
Video coding standards	H.265/H.264/MJPEG
Video stream	First stream, second stream
First stream resolution	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
Second stream resolution	720x576, 720x480, 320x240, etc.(*)
Video bitrate	32kbps~102400kbps
Bit rate control	Variable bit rate, fixed bit rate
Frequency	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio compression standards	AAC, G711
Audio bitrate	96Kbps,128Kbps
Supported agreement	NDI®|HX2, SRT, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, multicast, etc.
HD output	Support 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; 4KP60/50/59.94 HDMI output only supports YUV422; Support 1 3G-SDI: BNC type, 800mVp-p, 75Ω, follow SMPTE 424M standard; video format: 1080P@25/30/50/60/59.94/29.97fps; 1080I@50/60/59.94fps; 720P@50/60fps
Network interface	1-channel, RJ45: 10M/100M/1000M adaptive Ethernet
Audio interface	1-channel, Line In, 3.5mm audio interface;
Audio in	Built-in Dual microphone
USB interface	1-channel, USB3.0, Type-B (optional); 1-way, USB2.0/DVI/, Type-A
Communication interface	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, maximumdistance 30 meters, VISCA protocol for networking; 1 channel, RS485: 3-core Phoenix port, maximum distance: 1200 meters, VISCA/Pelco-D/Pelco-P protocol
RESTORE button	support
Power interface	JEITA type (DC IN 12V)
Installation direction	Wall and ceiling
TALLY lamp	1 (red and green)

Specification

Power indicator	1 (blue)
Status indicator	1 (green)
IR remote control input	support
Input voltage	DC 12V / POE+
Operating temperature	0°C ~ 40°C
Storage temperature	-40°C ~ 60°C
Power consumption	MAX 18W
Size	169.12 mm(W) × 22 5.83 mm(H) × 18 7.69 mm(D)
Net weight	2 kg