HD Video Conference Camera

Embedded software: HD video conference camera embedded software V2.0 (HD 1080p60; HDMI + SDI + IP 3-channel output)

TV-620HW

Description:

It features completed functions, excellent performance and diversified interfaces. It adopts advanced ISP processing technology and algorithm, which provide vivid image effects, uniform picture brightness, clear light and color layering, high definition and good color reproduction. It supports H.265/H.264 encoding, making the picture smoother and clearer under low bandwidth. It is suitable for various application places such as remote teaching, classroom recording, conference system, remote training, remote medical care, court trial system, emergency command system and so on.

Feature:

* Support H.264HP, realize full HD 1080p ultra-low bandwidth transmission.
* Using a 1/2.8-inch high-quality HD CMOS sensor with effective 2.07 million pixels, it can achieve high-quality images with a maximum resolution of 1920x1080.
* The output frame rate can reach 60fps under 1080P.
* Support AAC audio coding, better sound quality and smaller bandwidth usage.
* Support local storage function, realize local direct recording of U disk without NVR.
* The new CMOS image sensor with ultra-high SNR can effectively reduce image noise in low illumination conditions; the 2D and 3D noise reduction algorithms can greatly reduce image noise, and keeps the picture clean and clear even in ultra-low illumination conditions, and the image SNR reaches 55dB or more.
* Support HDMI output; equipped with a 3G-SDI port, the effective transmission distance is up to 150 meters (1080p30); support HDMI, SDI, network 3-channel synchronous output; support CVBS SD output.
* High-quality ultra-telephoto lens with 20x optical zoom and 16x digital zoom.

Specification:

Model	TV-620HW
Signal system	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25 SD: 480i, 576i
Sensor	1/2.8 inch, CMOS, effective pixel: 2.07 million
Scanning method	Progressive scanning
Lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8
Digital zoom	16x
Minimum illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White balance	Auto, Indoor, Outdoor, One-button, Manual, Specified color temperature
BLC	Support
Digital noise reduction	2D&3D digital noise reduction
SNR	≥55dB
Horizontal field of view	60.7° ~ 3.36°
Vertical field of view	34.1° ~ 1.89°
Vertical rotation angle	±170°
Horizontal rotation angle	-30° ~ +90°
Vertical rotation speed range	1.7° ~ 100°/s
Horizontal rotation speed range	1.7° ~ 69.9°/s
Horizontal and vertical flipping	Support
Image freeze	Support
Local storage	Support
Preset position quantity	255
Preset position accuracy	0.1°
Video coding standard	H.264/MJEPG
Video stream	Main stream, auxiliary stream
Main stream resolution	1920x1080, 1280x720, 1024x576 etc.
Auxiliary stream resolution	1024x576, 720x480, 320x240 etc.
Video bit rate	32Kbps ~ 20480Kbps
Rate control	Variable rate, fixed rate
Frame rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio compression standard	AAC, G711A
Audio bit rate	96Kbps, 128Kbps, 256Kbps
Communication protocol	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB/T28181 multicast, etc.
HD output	1ch, HDMI: Version 1.3; 1ch, 3G-SDI: BNC type, 800mVp-p, 75Ω, SMPTE 424M compliant
SD output	1ch, CVBS: 3.5mm diameter mini jack, 1Vp-p, 75Ω
Network port	1ch, RJ45: 10M / 100M auto-adaptive Ethernet port
Audio port	1ch, Line In, 3.5mm audio interface
USB port	1ch, USB 2.0, Type A socket
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, for 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 current	1.0A (maximum)
Working temperature	-10°C ~ 40°C
Storage temperature	-40°C ~ 60°C
Power consumption	12W (maximum)
Dimension	169×142×164mm
Net weight	1.35kg