



HD Video Conference Camera

Embedded software: HD video conference dedicated camera embedded software V2.0
(HD 1080p60, HDMI + SDI + IP 3-channel output, 12× 72.5° wide-angle lens)
TV-612HC



Feature:

- * Adopt a 72.5° high-quality ultra-wide-angle lens, support 12× optical zoom and 16× digital zoom.
- * Support H.264HP encoding, realize FHD 1080p ultra-low bandwidth transmission.
- * Adopt a new generation of Panasonic 1/2.8-inch high-quality HD CMOS sensor with 2.07 million effective pixels, achieve high-quality images with a maximum resolution of 1920x1080.
- * The output frame rate can reach 1080P 60fps.
- * Support AAC audio coding, realize better sound quality and smaller bandwidth usage.
- * Support local storage function, and realize direct local recording on U disk without NVR.
- * The brand-new CMOS image sensor with ultra-high SNR can effectively reduce image noise in low illumination conditions; using 2D and 3D noise reduction algorithms, even in ultra-low illumination conditions, the picture still keeps clean and clear, and the image SNR is up to 55dB or more.
- * Support HDMI output; equipped with a 3G-SDI interface, the effective transmission distance reaches 150 meters (1080p30); support simultaneous HDMI + SDI + IP 3-channel output; support CVBS SD output.
- * Support remote control of the camera through RS232 and RS485 serial port.

Specification:

Model	TV-612HC
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 inches, CMOS, 2.07 million effective pixels
Scanning method	Progressive scanning
Lens	12×, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital zoom	16×
Minimum illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White balance	Automatic, indoor, outdoor, one-button, manual, specified color temperature
BLC	Support
Digital noise reduction	2D&3D digital noise reduction
SNR	≥55dB
Horizontal field of view	72.5° ~ 6.9°
Vertical field of view	44.8° ~ 3.9°
Horizontal rotation range	±170°
Vertical rotation range	-30° ~ +90°
Horizontal rotating speed range	1.7° ~ 100°/s
Vertical rotating 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 / MJPEG
Video stream	Main stream, auxiliary stream
Main stream resolution	1920×1080, 1280×720, 1024×576, etc.
Auxiliary stream resolution	1024×576, 720×480, 320×240, etc.
Video bit rate	32Kbps ~ 20480Kbps
Rate control	Variable bit rate, fixed bit rate
Frame rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio compression standard	AAC
Audio bit rate	96Kbps, 128Kbps, 256Kbps
Communication protocol	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, multicast, etc.
HD output	1 channel, HDMI: version 1.3; 1 channel, 3G-SDI: BNC type, 800mVp-p, 75Ω, comply with SMPTE 424M standard
SD output	1 channel, CVBS: 3.5mm diameter mini jack, 1Vp-p, 75Ω
Network interface	1 channel, RJ45: 10M / 100M adaptive Ethernet port
Audio interface	1 channel, Line In, 3.5mm audio interface
USB interface	1 channel, USB 2.0, type A socket
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, 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 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