



# HD Video Conference Camera

Embedded HD video conference dedicated camera embedded software V2.0

## TV-612HZ



### Feature:

- \* Adopt a 1/2.8-inch high-quality sensor with 2.07 million effective pixels, the maximum resolution is 1920×1080 and the output frame rate reaches 60 frames per second.
- \* Adopt a 72.5° high-quality ultra-wide-angle lens, support 12x optical zoom and 16x digital zoom.
- \* 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.
- \* Support H.264 encoding, achieve FHD 1080p ultra-low bandwidth transmission.
- \* 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 HDMI + SDI + IP 3-channel simultaneous output; support CVBS SD output.
- \* Support POC function, power, video, and control three-wire integration, 1080p HD transmission distance reaches 100 meters or more.
- \* Support remote control of the camera through RS232 and RS485 serial port.

### Specification:

Model	TV-612HZ
Image sensor	1/2.8 inches, CMOS
Effective pixel	2.07 million
Scanning method	Progressive scanning
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
Lens	12x, f3.5mm~42.3mm, F1.8~F2.8
Digital zoom	16x
Minimum illumination	0.5Lux@ (F1.8, AGCON)
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 rotation speed range	1.7°~100°/s
Vertical rotation speed range	1.7°~69.9°/s
Horizontal and vertical flipping	Support
Image freeze	Support
POC power supply	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	1280×720, 720×576, 320×240, etc.
Video bit rate	32Kbps~20480Kbps
Rate control	Variable bit rate, fixed bit rate
Frame rate	50Hz: 1fps~50fps, 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 SMPTE424M standard, Support POC (maximum 1080p30)
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, LineIn, 3.5mm audio interface
USB interface	1 channel, USB2.0, type A socket
Communication interface	1 channel, RS232In: 8-pin small DIN, maximum distance 30 meters, VISCA/Pelco-D/Pelco-P protocol; 1 channel, RS232Out: 8-pin small DIN, maximum distance 30 meters, VISCA protocol networking use; 1 channel, RS485: 2-core Phoenix port, maximum distance: 1200 meters, VISCA/Pelco-D/Pelco-P protocol
Power connector	JEITA type (DCIN12V)/POC
Input voltage	DC12V/POC
Input current	1.0A (maximum)
Working temperature	-10°C~40°C
Storage temperature	-40°C~60°C
Power consumption	12W (maximum)
Package size	222×222×240mm
Product size	169×142×164mm
Gross weight	2.03kg
Net weight	1.35kg