



# HD Video Conference Camera TV-612H

Embedded software: HD video conference dedicated camera  
embedded software V2.0



## Description:

The HDMI camera adopts worm gear drive design and features brand-new appearance and compact structure. It is suitable for remote education, teaching recording, conference system, remote training, telemedicine, court trial system, emergency command system, etc.

## Feature:

- \* Designed with 1 HDMI video output interface, support 1080P60 HD resolution.
- \* Adopt a 72.5° high-quality ultra-wide-angle lens, support 12× optical zoom and 16× digital zoom.
- \* Adopt a 1/2.7-inch high-quality HD CMOS sensor with 2.07 million effective pixels.
- \* Support FHD 1920×1080 image transmission, the output frame rate reaches 60 frames per second.
- \* The use of low-noise CMOS effectively guarantees the ultra-high SNR of the video. Adopt advanced 2D and 3D noise reduction technologies to further reduce noise while ensuring image clarity; the image SNR is up to 55dB or more.
- \* Support remote control of the camera through RS232 serial port.

## Specifications:

Model	TV-612H
Resolution	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25
Sensor	1/2.7 inches, CMOS, 2.07 million effective pixels
Scanning method	Progressive scanning
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital zoom	16x
Minimum illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White balance	Automatic, indoor, outdoor, one-button, manual, synchronous
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° ~ +30°
Horizontal rotation speed range	1.7° ~ 100°/s
Vertical rotation speed range	0.7° ~ 28°/s
Horizontal and vertical flipping	Support
Image freeze	Support
Preset position quantity	255
Preset position accuracy	0.1°
Video coding standard	H.265/H.264/MJPEG
Video stream	Main stream, auxiliary stream
Main stream resolution	1920×1080, 1280×720, 1024×576, etc.
Auxiliary stream resolution	720×576, 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
Network interface	1 channel, RJ45: 10M / 100M adaptive Ethernet port
Audio interface	1 channel, Line In, 3.5mm audio interface
Communication interface	1 RS232 IN: 8-pin small DIN, maximum distance: 30 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)
MTBF	>30000 hours
Dimension	128.5×118×156.2mm
Net weight	0.91Kg