



# HD Video Conference Camera

Embedded software: HD video conference camera embedded software V2.0  
(20×, 1080P Full HD, wide viewing angle, multi-interface, multi-protocol)  
**TV-620HC**



## 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:

- \* Full HD image: using 1/2.8-inch high quality image sensor, the maximum resolution is up to 1920x1080, and the output frame rate is up to 60 frames per second.
- \* Leading auto-focus technology: the advanced auto-focus algorithm enables the lens to complete auto-focusing quickly, accurately and stably.
- \* Low noise and high SNR: the low-noise CMOS effectively ensures the ultra-high SNR of the camera video. Adopt advanced 2D and 3D noise reduction technology to further reduce noise while ensuring image clarity.
- \* Audio input port: support 16000, 32000, 44100, 48000 sampling frequency, support AAC, MP3, G711 audio coding.
- \* Super mute PTZ: adopt high-precision stepper motor and precision motor drive controller to ensure stable operation of PTZ camera at low speed and no noise.
- \* Diversified video output ports: support DVI (HDMI), 3G-SDI, wired LAN; 3G-SDI supports 1080P60.
- \* Various video compression standards: support H.265/H.264 video compression; support up to 1920x1080 resolution and 60 frames/second; support 2-channel 1920x1080 resolution 30 frames/second compression.
- \* Multiple network protocols: support ONVIF, GB/T28181, RTSP, RTMP protocol, RTP multicast, and support RTMP push mode, easy to link streaming media servers (Wowza, FMS)
- \* Low-power sleep function: support low-power sleep/wake-up; the power consumption during sleep is less than 400mW.
- \* Multiple control protocols: support VISCA, PELCO-D, PELCO-P protocols, and support automatic identification protocols; support network full command VISCA control protocol.
- \* Multiple presets: support up to 255 presets (10 for remote control settings).

## Specification:

Model	TV-620HC
Image sensor	1/2.8-inch high quality CMOS sensor
Effective pixel	2.07 million, 16: 9
Video signal	ST port video format: 1080P60/50/30/25/59.94/29.97; 1080i60/50/59.94; 720P60/50/30/25/59.94/29.97
Lens zoom	20× optical zoom, f=4.7~94mm. 10× digital zoom
Viewing angle	2.9° (narrow angle) ~55.4° (wide angle)
Aperture coefficient	F1.6 ~ F3.5
Minimum illumination	0.5Lux(F1.8, AGC ON)
Digital noise reduction	2D&3D digital noise reduction
White balance	Auto/manual/one-button white balance/3000K/ 4000K/5000K/6500K
Focus	Auto/manual/one-button focus
SNR	>55dB
Video port	DVI (HDMI), 3G-SDI, LAN
Image stream	Dual stream output
Video compression format	H.265, H.264; dual stream output
Control signal port	RS-232, with loop RS-232 output
Control protocol	VISCA/Pelco-D/Pelco-P; baud rate 115200/9600/4800/2400bps
RS485 port	1 RS485 control port
Audio input port	A-IN, dual channel 3.5mm line input
Audio compression format	AAC, MP3, G.711
Network port	100M network port (10/100 BASE-TX), support network VISCA control protocol
Network protocol	RTSP, RTMP, ONVIF, GB/T28181, RTP multicast
Power connector	HEC3800 power socket (DC12V)
Horizontal rotation range	-170°~170°
Vertical rotation range	-30°~90°
Horizontal rotation speed range	0.1 to 100°/sec
Vertical rotation speed range	0.1~45°/sec
Power adapter	Input AC110V-AC220V output DC12V/1.5A
Input current	1A (maximum)
Power consumption	12W (maximum)
Working temperature	-10°C~50°C
Working humidity	20%~80%, no condensation
Dimension	258×172×169mm (W×H×D)
Weight	1.54kg