



## Camera

Embedded software: V2.0 embedded software for HD video conference  
(HD 1080p60, H.265 code; HDMI + SDI + IP three-channel simultaneous out[puts])

### TV-620HW



#### Description:

\* With completed function, excellent performance, rich interface;Advanced ISP processing technology and algorithms to make vivid image, uniform screen brightness, strong light effect , high definition, good color reducibility. Support H.265 / H.264 encoding to make the picture more smooth and clear with low bandwidth . Applicable to remote education, teaching recording and broadcasting, conference system, remote training, telemedicine, trial system, emergency command system and other applications.

#### Feature:

- \* Video conference cameras that support H.265 encoding can achieve full HD 1080p ultra-low bandwidth transmission.
- \* It adopts a high-quality HD CMOS sensor with 1/2.7 inches and 2.07 million effective pixels, which 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 occupancy.
- \* Supports local storage function, and direct local recording on U disk without NVR.
- \* The new CMOS image sensor with ultra-high SNR can effectively reduce image noise under low illumination conditions. 2D and 3D noise reduction algorithms are both adopted to greatly reduce image noise. Even under ultra-low illumination conditions, it still maintains the screen clean and clear, the image SNR is up to 55dB or more.
- \* With HDMI high-definition output, 3G-SDI interface, the effective transmission distance is up to 150 meters (1080p30). HDMI, SDI, and network can be output at the same time. It also supports CVBS SD output.
- \* It adopts high-quality super telephoto lens, optical zoom reaches 20 times, and supports 16 times digital zoom.



## Camera

Embedded software: HD video conferencing dedicated camera embedded software V2.0  
(30X, 1080P full HD, wide viewing angle, multi-interface, multi-protocol)

### TV-620HW



#### 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	1/2.7 inch, CMOS, effective pixels: 2.07 million
Scanning method	Line by line
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	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	60.7° ~ 3.36°
Vertical field of view	34.1° ~ 1.89°
Horizontal rotation range	±170°
SNR	≥55dB
Vertical rotation range	-30° ~ +90°
Horizontal rotation speed	1.7° ~ 100°/s
Vertical rotation speed	1.7° ~ 69.9°/s
Flip horizontally and vertically	Support
Image freeze	Support
Local storage	Support
Number of preset positions	255
Preset position accuracy	0.1°
Video coding standard	H.265/H.264/MJPEG
Video stream	Main stream, auxiliary stream
Main stream resolution	1920x1080, 1280x720, 1024x576, etc.
Auxiliary stream resolution	720x576, 720x480, 320x240, 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
Protocol support	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, follow SMPTE 424M standard
SD output	1 channel, CVBS: 3.5mm diameter mini jack, 1Vp-p, 75Ω
Network port	1 channel, RJ45: 10M / 100M adaptive Ethernet port
Audio port	1 channel, Line In, 3.5mm audio interface
USB port	1 channel, USB 2.0, type A socket
Communication port	1 channel, RS232 In: 8-pin small DIN, maximum distance: 30 meters, VISCA/Pelco-D/Pelco-P protocol; 1 channel, RS232 Out: 8-pin small 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 port	JEITA type (DC IN 12V)
Input Current	1.0A (maximum)
Operating temperature	-10°C ~ 40°C
Storage temperature	-40°C ~ 60°C
Power consumption	12W (maximum)
Size	169mm x 142mm x 164mm
Net weight	1.35kg