



HD Video Conference Camera

Embedded software: embedded software for high-definition video

conference USB camera V2.0

TV-612USB

Description:

The new appearance of the dedicated high-definition video conference camera, 12x optical zoom, 1080P high-definition capture. It is suitable for remote education, teaching recording and broadcasting, conference systems, remote training, remote medical treatment, court hearing systems, emergency command systems, etc.



Feature:

- * It adopts 72.5° high-quality super wide-focus lens, optical zoom reaches 12 times, and supports 16 times digital zoom.
- * Supports USB3.0 interface, can transmit uncompressed original video images, and is backward compatible with USB2.0. It also supports HDMI high-definition output, USB3.0, HDMI, network three channels can be output at the same time. It also supports CVBS SD output.
- * Support external microphones and audio cable input at the same time. Supports AAC audio coding, better sound quality and smaller bandwidth usage.
- * Video conferencing 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 to achieve high-quality images with a maximum resolution of 1920x1080.
- * The output frame rate under 1080P can reach 60fps.
- * Support local storage function, and direct local recording on U disk can be realized without NVR.
- * The new CMOS image sensor with ultra-high performance-to-noise ratio can effectively reduce image noise under low illumination conditions, while applying 2D and 3D noise reduction algorithms to greatly reduce image noise, even under ultra-low illumination conditions, still maintaining the picture Clean and clear, the image signal-to-noise ratio is up to 55dB or more.
- * Use RS232 and RS485 serial ports to control the camera.

Specification:

Model	TV-612USB
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	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, 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°
Pan speed range	1.7° ~ 100°/s
Vertical rotation speed range	1.7° ~ 69.9°/s
Flip horizontally and vertically	Support
Image freeze	Support
Local storage	Support
Number of preset bit	255
Preset bit accuracy	0.1°
Support operating system	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color space	YUV 4:2:2
Video format	USB3.0: 1080p/60, 1080p/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25 USB2.0: 1080p/10, 720p/25, 960x540p/30, 960x540p/25, 640x360p/60, 640x360p/50
USB video communication protocol	UVC 1.0
UVC PTZ control	Support
Video coding standard	H.265/H.264/MJPEG
Video stream	First stream, second stream
Resolution of the first stream	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Second stream resolution	1280x720, 1024x576, 720x576 (50Hz support), 720x480 (60Hz support), 720x408, 640x360, 480x270, 320x240, 320x180
Video bitrate	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	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, multicast, etc.
HD output	1 channel, HDMI: version 1.3
SD output	1 channel, CVBS: 3.5mm diameter mini jack, 1Vp-p, 75Ω
Network interface	1 channel, RJ45: 10M / 100M adaptive Ethernet port
Audio port	1 channel, Line In, 3.5mm audio interface
USB interface	1 channel, USB 3.0, type B socket; 1 way, USB 2.0, type A socket
Communication interface	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 road, 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)
Operating temperature	-10°C ~ 40°C
Stored temperature	-40°C ~ 60°C
Power consumption	12W (maximum)
Size	169mm x 142mm x 164mm
Net weight	1.35kg
Input current	1.0A (maximum)