

MS-HD72-12UE

USB3.0 HD Video Conference Camera

 Solutions



Key Features:

- **Full Function USB Interface**
Full function USB interface, compatible with USB3.0 and USB2.0, support audio, compressed video output and UVC v1.1-1.5 protocol.
- **1080P Full HD**
Equip with Panasonic's 1/2.8 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image.
- **72.5° Wide-angle Lens + 16x Digital Zoom**
Use 72.5° wide-angle high quality lens, support 12x optical zoom, and 16x digital zoom.
- **Low-light**
High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even in ultra-low illumination conditions, the image remains clean and clear, The image signal-to-noise ratio is up to 55dB.
- **PoE support**
Wired networks support PoE power supply. Control, power supply, video, and audio can be completed by using only one cable.
- **Remote Control**
Multiple control modes, using RS232, RS485, network and USB to control the camera.
- **Ultra high frame rate**
The output frame rate can reach 60fps under 1080P.
- **H.264 Slice/ H.264 SVC encoding support**
H.264 output stream supports Slice and SVC encoding modes, which is suitable for high-end USB conference video applications.
- **Dual stream (optional)**
Support two-channel code stream(YUY2, MJPEG, H.264 any two channels) output simultaneously to reduce the pressure of host encoding and decoding.
- **Perfect interface**
Support HDMI (optional), USB3.0, network interface can output 1080P video at the same time.
- **Three kinds of power supply modes**
Support USB 5V power supply, 12V power adapter power supply and PoE power supply.

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 Solutions
From ideas to reality.

Technical Specifications:

Camera	
Video System	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm - 42.3mm, F1.8 - F2.8
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s - 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature (2500K-8000K)
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° - 6.9°
Vertical Angle of View	44.8° - 3.9°
Horizontal Rotation Range	-170°
Vertical Rotation Range	-30° - +90°
Pan Speed Range	2.7° - 35.7°/s
Tilt Speed Range	2.7° - 31.5°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

Technical Specifications:

USB Featured	
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2 (Isochronous mode): Max 1080P@60fps H.264 AVC: Max 1080P@60fps H.264 SVC (Optional): Max 1080P@60fps MJPEG: Max 1080P@60fps
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1-1.5
UVC PTZ control	Support
IPC Features	
Video Compression	H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080,1280x720,1024x576,960x540,640x480,640x360
Sub Stream Resolution	1280x720,1024x576,720x480,720x408,640x360,320x240,320x180
Video Bit Rate	32Kbps - 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps - 50fps, 60Hz: 1fps - 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

Technical Specifications:

Input/Output Interface	
USB Interface	1xUSB3.0: Type C
HD output	1xHDMI1.4b
Network Interface	1xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
Communication Interface	"1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS485 In: 2-core Phoenix port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/ Pelco-P"
Power Jack	JEITA type (DC IN 12V) /USB B type (DC IN 5V) /PoE
Generic Specification	
Input Voltage	DC 12V/DC 5V/PoE(802.3af)
Input Current	12V 1.0A(max)/5V 1.5A(max)
Operating Temperature	-10°C - 40°C
Storage Temperature	-40°C - 60°C
Power Consumption	12W(max)
MTBF	>30000
Size	144mm x 144mm x 167.9mm