

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.

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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 temperture(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° |

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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. |

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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 |