

MS-HD90-3U

USB2.0 HD Camera

 **Solutions**



Key Features:

- **Full-featured USB interface**

Full-featured USB2.0 interface, supports audio, encoding output, UVC 1.1 and UVC 1.0 protocols.

- **Good Compatibility**

Supports standard video conferencing software such as Zoom, Microsoft Teams, Google Meet and more.

- **Full HD Image Sensor**

Equipped with a new generation of 1/2.9 inch high-quality HD CMOS sensor with 2 million effective pixels.

- **AI Humanoid Tracking**

Embedded NNE hardware unit, uses deep learning technology, through the extraction of target features regardless of direction of face, to achieve smooth humanoid tracking.

- **TOF Focus**

An advanced auto focusing algorithm utilizes the laser-assisted focusing instrument to achieve high-speed, accuracy.

- **90° Wide-angle Lens + 16x Digital Zoom**

Adopts 90° high-quality ultra-wide focal lens, supports 3x optical zoom + 16x digital zoom.

- **Low Illumination**

New CMOS image sensor with ultra-high SNR effectively reduces image noise under low illumination. Image SNRT is 55dB or above.

- **Remote Control**

Multiple control modes, including RS232 and USB

- **Two Kinds of Power Supply Modes**

Supports both USB 5V and DC 12V power supply.

Technical Specifications:

Camera	
Sensor	1/2.9", CMOS, Max Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	3x, f3.35mm ~ 10.05mm, F1.7 ~ F3.0
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
S/N	≥55dB
Horizontal Angle of View	90° ~ 30.7°
Vertical Angle of View	52° ~ 18.4°
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 Features	
Operating System	Windows 7/ 8/ 10/ 11, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG
Video Format	YUY2 (Isochronous mode): Max 640x480P30 MJPEG: Max 1920x1080P30
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support
Input/output Interface	
USB Interface	1xUSB 2.0, Type-C
Audio Input	Built-in dual Mics
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA (DC IN 12V) /USB Type-C (DC IN 5V)
Generic Specifications	
Input Voltage	DC 12V/USB 5V
Input Current	12V 1.0A(Max)/5V 1A(Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Size	144mm x 144mm x 167.9mm
Net Weight	0.459 kg