

Milestone Pro MP-12UHD-4K

4K Live Streaming PTZ Camera with AI Auto Tracking



4K
UHD



Multi
interface

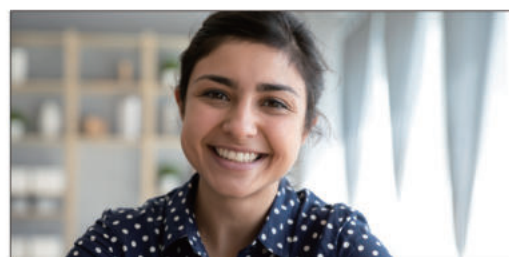
NDI | HX2

Auto
Tracking

Milestone Pro MP-12UHD-4K is equipped with the latest NDI|HX2 SDK, POE, USB3.0, Sony Sensor, 12X optical zoom, and a truly 4K Ultra-HD image system, delivering sharp video, outstanding color, and exceptional optical accuracy. Its built-in AI technology optimizes light balance to emphasize faces and render natural-looking skintones even in dim or backlight conditions, while the advanced AI Humanoid Auto Tracking feature ensures precise and smooth auto-framing of speakers for enhanced engagement. Additionally, the 12X optical zoom with Wide Horizontal Angle enables MP-12UHD-4K to easily meet the needs of medium to large-sized meeting rooms.

4K Ultra HD, extraordinary clear and realistic video conferencing experience

Milestone Pro MP-12UHD-4K features a Sony IMX415 1/2.8"CMOS Sensor and 4K Ultra HD imaging, delivering sharp, detailed visuals without pixelation—even on large screens. Its 8.29-megapixel resolution and advanced sensor technology ensure lifelike video quality for seamless collaboration.



4K **ULTRA HD**

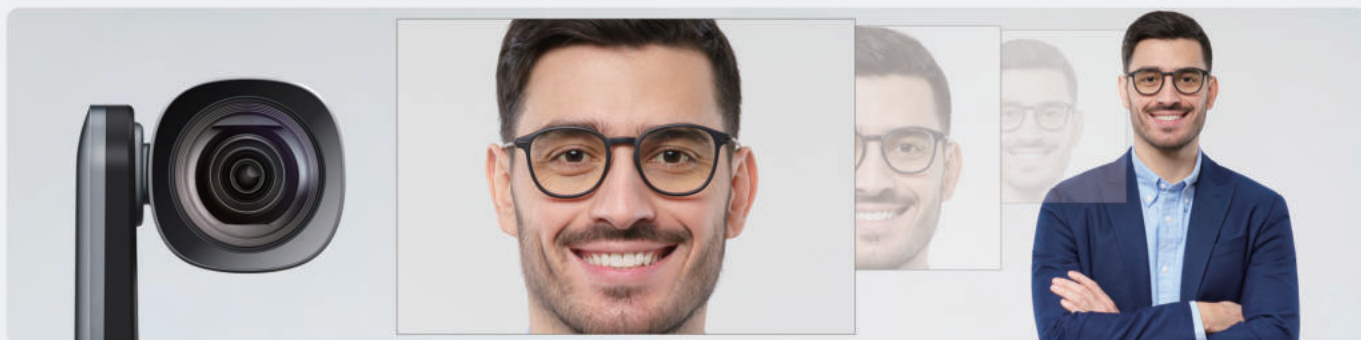
AI Humanoid Auto Tracking

MP-12UHD-4K's AI Humanoid Auto Tracking technology leverages the latest human detection AI algorithms for swift and precise tracking. Presenter Tracking mode offers strong locking and anti-interference capabilities, allowing presenters to freely interact with their audience.



12X Optical Zoom, more image details without losing quality

Milestone Pro MP-12UHD-4K's 12X optical zoom delivers sharp, highly detailed video—even when magnified. Zoom in close, and the image remains true-to-life, distortion-free, just as the human eye sees it.



Multi-Interface Design for Ultimate Flexibility

MP-12UHD-4K features USB 3.0, HDMI, and RJ45 connectivity, delivering versatile conferencing solutions. With USB 3.0's 10x faster transfer speed (versus USB 2.0), it ensures smooth, lag-free meetings. For large-screen setups, its HDMI output provides seamless display integration.



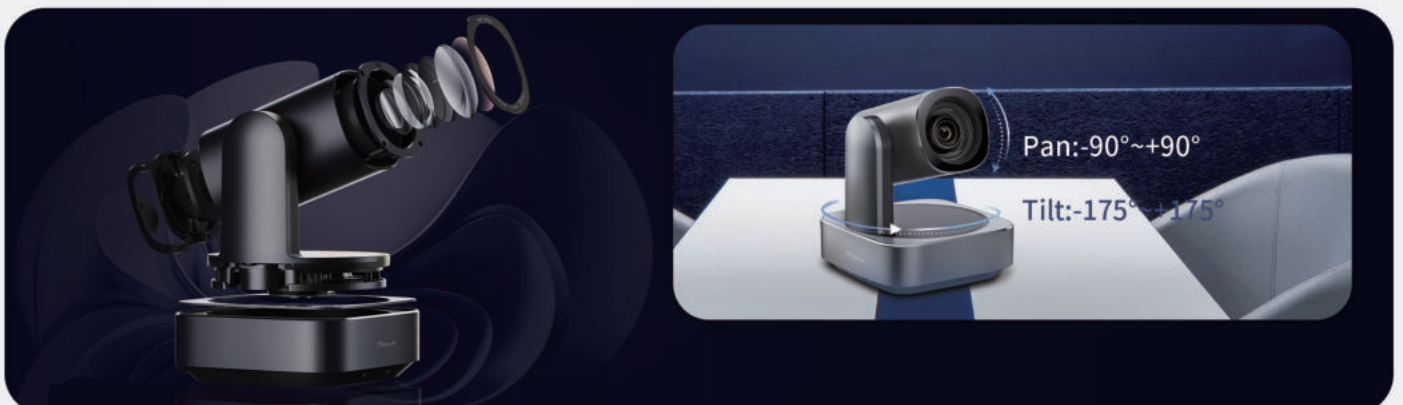
Integrated PoE and Zero-Latency Live Streaming

The RJ45 output of Milestone Pro MP-12UHD-4K supports video live streaming via RTMP/RTSP protocols and PoE functionality. With just a single Ethernet cable, you can enable remote conferencing while eliminating cable clutter –boosting both convenience and work efficiency.



HD wide-angle lens presents a wider and clearer world

MP-12UHD-4K features a 70° wide-angle lens, capturing expansive views with exceptional clarity. Experience smooth, silent operation with its +90° tilt and +175° pan rotation –delivering seamless coverage without disruptive movement.



Camera

Model No.	MP-12UHD-4K
Image Sensor	Sony IMX415 1/2.8" CMOS
Effective Pixels	8.29MP, 16:9
Lens	f=3.9- 46.8mm
Aperture	F1.6 ~ F9.6
Video Format	HDMI: 4KP@30/25fps,2KP@60,1080P@60/59.94/50/30/29.97/25fps, 720P@60/59.94/50/30
	USB3.0: H.264: max to 2160P@30fps H.265: max to 2160P@30fps MJPG: max to 2160P@30fps NV12: max to 896P@30fps YUY2: max to 896P@30fps
Optical Zoom	12x zoom
Horizontal Angle	70.82°(W)-6.48°(T)
Vertical Angle	47.72°(W)-73.66°(T)
Diagonal Angle	78.58°(W)-7.42°(T)
AI Support	Yes (AI Mode: Auto Framing/Presenter Tracking)
Backlight Compensation	Support
Note:learn more about VL series:VL10N(NDI, 10X, 1080P@60fps);VL20N(NDI, 20X, 1080P@60fps)	

General Parameter

Operation Systems	Windows 7, Windows 8.1, Windows 10,Windows 11, Android, Mac OS™ 10.10 or higher, Linux (Require to support UVC.)
Input Voltage	DC 12V
Input Current	1.0A (Max.)
Power Consumption	13W (Max.)
Store Temperature	-10°C ~ +60°C
Store Humidity	20% ~ 90%
Working Temperature	-10°C ~ +50°C
Working Humidity	20% ~ 80%
Dimension (W*H*D)	171.6*192.6*171.6mm/260*217*197mm (before / after packing)
N.W. / G.W	1.43kg/2.096kg (Net / Gross weight)
Accessory	1xCamera; 1xUSB Cable; 1xPower Adapter; 1xWall Mount; 1xManual
Mfg. Warranty	3 Years Parts & Labor

PTZ Parameter

Pan/Tilt Rotation	±175°,-90°~ +90°
Pan Control Speed	0.1 -80°/ sec
Tilt Control Speed	0.1-60°/ sec
Preset Number	255 presets by Pelco-D,32 presets by Pelco-P, 7 presets by Visca (10 presets by remote controller)
SNR	>50dB
Focus	Auto / Manual

I / O Interface

Video Interfaces	RJ45, HDMI, USB3.0
Video Compression Format	H.264, H.265, MJPG, YUY2, NV12
LAN	10M/100M adaptive Ethernet port, Support POE IEEE802.3af
Network Protocol	RTSP, RTMP, ONVIF, GB28181; Support VISCA Over IP
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 9600/4800/38400/2400
Control Interface	RS-232 (input & output), RS-485, TYPE-C(UVC1.1)
Digital Noise Reduction	2D & 3D Noise Reduction
Exposure	Auto / Manual

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