Milestone Pro MP-20HDAI-4K
AI Tracking PTZ Camera

4K Clarity with 20x Optical Precision

4K 30FPS   **20x** Optical Zoom   **AI** Auto-tracking   **NDI|HX2**   **Multi Network Protocols**   **USB+HDMI +RJ45+SDI**

Milestone Pro MP-20HDAI-4K is a professional-grade 4K Ultra HD PTZ camera featuring a Sony 8.29MP sensor and 20x optical zoom for crystal-clear imaging in any environment. With advanced AI auto-tracking that maintains perfect framing of presenters, plus smooth PTZ operation, comprehensive I/O options, and multi-protocol support, the 4k camera integrates effortlessly with your workflow. From education and corporate meetings to live streaming and broadcasting, MP-20HDAI-4K offers high-performance video, intelligent automation, and broad compatibility.

Ultra HD 4K Clarity with 20x Optical Zoom

Equipped with a Sony 1/2.8" CMOS sensor and 8.29 megapixels, Milestone Pro MP-20HDAI-4K ptz camera delivers true 4K clarity with lifelike color fidelity and sharpness. Its 20x Optical Zoom on the other hand effortlessly transitions from wide-angle shots to tight close-ups without losing clarity—perfect for conferencing, live broadcasting, and lecture capture.

AI-Powered Auto Tracking

Take your production to the next level with intelligent Auto Tracking. MP-20HDAI-4K's built-in AI tracking engine intelligently identifies human targets, adapts to movement, and maintains framing, ensuring presenters remain centered and in focus throughout.

Precision Engineered Pan-Tilt Control

Featuring industrial-grade motors and ultra-fine stepping, Milestone Pro MP-20HDAI-4K offers exceptionally smooth and quiet pan/tilt performance. Whether executing fast repositioning or slow motion, control with this AI Tracking camera is intuitive and precise. Up to 255 position presets(10 presets by IR remote) allow the camera rapidly switching in any professional setting.

Rich I/O & Protocols for Flexible Integration

MP-20HDAI-4K supports a comprehensive range of interfaces and streaming protocols, making integration into existing systems effortless.

--Video Outputs: HDMI, USB 3.0, SDI, RJ45(Support PoE+)

--Streaming Protocols: RTSP, RTMP, SRT, NDI®|HX2

--Control Interfaces: RS232, RS485, USB (UVC), IP

--Control Protocols: VISCA, Pelco-D/P, ONVIF, VISCA over IP

Whether for live streaming, remote collaboration, or system integration, Milestone Pro MP-20HDAI-4K adapts to your environment effortlessly.

Broad Software & System Compatibility

Engineered for modern workflows, MP-20HDAI-4K supports Windows 10/11, macOS 10.10+, Linux, and Android systems with UVC plug-and-play compatibility. From video conferencing platforms to live broadcasting software, this 20x optical zoom AI Tracking 4K ptz camera integrates effortlessly into your preferred setup — no additional drivers needed.

Model No.	MP-20HDAI-4K
Image Sensor	Sony 1/2.8" CMOS
Effective Pixels	8.29MP
Optical Zoom	20x optical zoom
Lens	f=4.95mm~99mm
Aperture	F1.7-F3.7
Horizontal Angle	51.9°~3.0°
Vertical Angle	39.7°~2.2°
Diagonal Angle	63.1°~3.7°
Video Format	HDMI：4KP@30/25fps,2KP@60,1080P@60/59.94/50/30/29.97/25fps, 720P@60/59.94/50/30
	3G-SDI：1080P@60/59.94/50/30/29.97/25fps,720P@60/59.94/50
	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
Video Encoding Format	H.264, H.265, MJPG, YUY2
Backlight Compensation	Support
AI Support	Yes (AI Mode: Auto Framing/Presenter Tracking)
SNR	≥50dB
Focus	Auto / Manual
Digital Noise Reduction	2D & 3D Noise Reduction
Exposure	Auto / Manual

I/O Interface

Video Interfaces	HDMI, USB3.0, RJ45, SDI
Video Compression Format	H.264, H.265, MJPG, YUY2
LAN	10M/100M adaptive Ethernet port; Support POE IEEE802.3af
Network Protocol	RTSP, RTMP, VISCA over IP, ONVIF, SRT, NDI|HX2
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 2400/4800/9600/38400
Control Interface	RS232(input only), RS485,USB3.0 (UVC1.1),RJ45

PTZ Parameter

Horizontal Rotation	350° (±175°) 0.1°/s~100°/s
Vertical Rotation	180° (±90°) 0.1°/s~80°/s
Preset Number	User can set up to 255 presets (10 presets by IR remote)

General Parameter

Dimension (W*H*D)	166*165*170mm/ 285*217*197mm (before/ after packing)
N.W. / G.W.	1.6kg/ 2.8kg (Net/ Gross weight)