

Milestone Pro MP-30HDAI-DA/M

30x Closer 4K Clearer 60FPS Smoother AI Camera



4K
60FPS

30x
Optical Zoom

AI
Auto Tracking

NDI | HX3

Dante
AV-H

Free-D
Protocol

MULTIPLE
INTERFACES

Milestone Pro MP-30HDAI-DA/M is a professional 4K60fps PTZ camera designed for intelligent video capture and seamless integration in modern production environments. It combines advanced AI-powered tracking with three flexible modes, exceptional image quality featuring 30x optical zoom plus 16x digital zoom, and robust multi-interface output supporting 4K60fps over HDMI/IP/NDI, 4K30fps via USB3.0, and 1080p60fps over 3G-SDI. With support for industry-standard protocols including NDI|HX3, Dante AV-H, and Free-D, MP-30HDAI-DA/M is an all-in-one solution for dynamic conference rooms, live events, and virtual production studios.

4K60FPS Ultra HD with High-Performance Zoom

Milestone Pro MP-30HDAI-DA/M features a 1/1.8-inch 8.42MP CMOS sensor delivering 4K at 60fps, along with a 66.7° wide-angle lens. It provides 30x optical zoom for clear, detailed capture across distances, plus 16x digital zoom for enhanced framing flexibility.

4K60FPS
Ultra HD



Advanced AI Auto-Tracking (3 Modes)

MP-30HDAI-DA/M offers intelligent tracking with three selectable modes to suit various scenarios: Auto Framing for multi-person group shots; Presenter Tracking for stable single-speaker follow; and Zone Tracking for defined area surveillance. Powered by self-developed ReID (Re-identification) technology, it ensures accurate subject recognition and smooth, reliable tracking.

AI
Auto-Tracking



NDI|HX3 & Dante AV-H Support

Milestone Pro MP-30HDAI-DA/M enables high-quality, low-latency streaming over standard networks via NDI|HX3, and offers seamless Dante-integrated AV routing with centralized control and NTP (Network Time Protocol) synchronization.

NDI|HX3



Free-D Protocol for Virtual Production

MP-30HDAI-DA/M is fully compatible with Free-D, transmitting precise (pan/tilt/zoom/focus/iris) data to 3D software for realistic integration of live footage into virtual environments.

Free-D Protocol



Multi-Interface & Remote Control

Milestone Pro MP-30HDAI-DA/M supports flexible multi-interface output: 4K60fps via HDMI and IP/NDI streaming, 4K30fps through USB3.0 streaming, and 1080p60fps via 3G-SDI (transmission up to 150 meters). All outputs can operate simultaneously, providing versatile connectivity for various production setups. The camera is also controllable via RS232, RS485, network, or USB for flexible operation.



3G-SDI



LAN



HDMI



USB3.0



RS232



RS485

Built-in Gravity Sensor

MP-30HDAI-DA/M features auto image flip to ensure correct orientation in any mounting position, simplifying installation and ensuring reliable performance.



Model No.	MP-30HDAI-DA/M		
Sensor	1/1.8"		
Effective Pixels	8.42MP		
Video Signals	HDMI: 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP29.97, 4KP25, 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97,1080P25, 1080I60, 1080I59.94, 1080I50, 720P60, 720P59.94 3G-SDI: 1080P60, 1080P50, 1080P30, 1080P29.97, 1080P59.94, 1080P25; 1080I60, 1080I50, 1080I59.94, 720P60, 720P59.94 USB3.0: H.264/H.265/MJPG: max to 2160P@30; YUY2: max to 1080P@30		
Optical Zoom	30X		
Digital Zoom	16X		
Lens	f=7.1~210mm		
Aperture	F1.61~F5.19		
Horizontal Angle	59.2°~2.5°		
Vertical Angle	34.6°~1.4°		
Diagonal Angle	66.7°~2.9°		
Video Output	USB3.0, HDMI, RJ45, 3G-SDI		
Signal Standard	NTSC/PAL		
Control Interface	RS232, RS485, USB, NET		
Shutter	1/30s~1/10000s		
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR		
Backlight Compensation	Support		
Digital Noise Reduction	3D Digital Noise Reduction		
Baud Rate	2400/4800/9600/19200/38400		
Control Protocol	VISCA, Pelco-D, Pelco-P		
USB Protocol	UVC 1.1~1.5		
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)		
SNR	≥55dB		
Horizontal Rotation	350° (±175°) 0.1°/s~100°/s		
Vertical Rotation	180° (±90°) 0.1°/s~80°/s		
H & V Flip	Support		
Image Freeze	Support		
PoE	Support		
Number of Preset	255		
Preset Accuracy	0.1°		
AI Support	Yes		
AI Mode	Auto Framing/Presenter Tracking/Zone Tracking		
Generic Specification			
Power Supply	DC 12V/2A(MAX)		
Power Consumption	24W(Max.)		
Product Size	201*184*221mm/285*217*197mm(before/after packing)		
Product Weight	2.4kg/2.6kg(net/gross weight)		
IPC Features		Input/Output Interface	
Video Encoding Format	H.264/H.265/MJPEG/ YUY2	HD Output	1*HDMI/1*3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Video Stream	Main Stream, Sub Stream	LAN	1*RJ45: 10M/100M/1000M Ethernet Interface
Main Stream Resolution	3840x2160,1920x1080,1280x720,1024x576, etc.	Audio Interface	1-ch: 3.5mm Audio Interface, Line In 1-ch: 3.5mm Audio Interface, Line Out
Sub Stream Resolution	720x480, 320x240, etc.	USB	1*USB3.0: Type B
Video Bit Rate	32kbps~51200kbps(Sencond road: 32kbps~20480kbps)	Communication Interface	1*RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Bit Rate Type	Variable Rate, Fixed Rate		1*RS232 Out: 8pin Min DIN, Max Distance:30m, Protocol: VISCA use only
Frame Rate	50Hz: 1fps~50fps/60Hz: 1fps~60fps		1*RS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Audio Compression	AAC		JEITA type(DC IN 12V)
Audio Bit Rate	96Kbps, 128Kbps	Power Jack	
Network Protocol	Dante AV-H, NDI@ HX3, Free-D, SRT, TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, Multicast		

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