

Milestone Pro MP-30HDAI-DA/M

30× Closer • 4K Clearer • 60FPS Smoother AI Camera



PRODUCT OVERVIEW

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, 30× optical zoom plus 16× digital zoom, and multi-interface output supporting 4K60fps over HDMI/IP/NDI, 4K30fps via USB3.0, and 1080p60fps over 3G-SDI. It supports NDI|HX3, Dante AV-H, and Free-D protocols.

4K60FPS ULTRA HD 1/1.8-inch 8.42MP CMOS sensor with 4K at 60fps.	30× OPTICAL ZOOM 30× optical zoom with 16× digital zoom for flexible framing.
AI AUTO-TRACKING Three modes: Auto Framing, Presenter Tracking and Zone Tracking.	NDI HX3 + DANTE AV-H Low-latency network streaming and Dante-integrated AV routing.
FREE-D PROTOCOL Precision pan/tilt/zoom/focus/iris data integration for virtual production.	MULTI-INTERFACE HDMI, IP/NDI, USB3.0 and 3G-SDI outputs with RS232/RS485/network/USB control.

KEY APPLICATIONS

Conference Rooms • Live Events • Virtual Production Studios

Technical Specifications

MP-30HDAI-DA/M | Detailed specification summary from the supplied product document

CAMERA & PTZ

PARAMETER	SPECIFICATION
Model No.	MP-30HDAI-DA/M
Sensor	1/1.8"
Effective Pixels	8.42MP
Optical Zoom	30×
Digital Zoom	16×
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°–100°/s
Vertical Rotation	180° (±90°), 0.1°–80°/s
H & V Flip	Support
Image Freeze	Support
Pole	Support
Number of Preset	255
Preset Accuracy	0.1°
AI Support	Yes
AI Mode	Auto Framing / Presenter Tracking / Zone Tracking

GENERAL SPECIFICATION

PARAMETER	SPECIFICATION
Power Supply	DC 12V/2A (MAX)
Power Consumption	24W (Max.)

PARAMETER	SPECIFICATION
Product Size	201*184*221mm / 285*217*197mm (before/after packing)
Product Weight	2.4kg / 6.2kg (net/gross weight)

IPC FEATURES

PARAMETER	SPECIFICATION
Video Encoding Format	H.264/H.265/MJPEG/YUY2
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	3840×2160, 1920×1080, 1280×720, 1024×576, etc.
Sub Stream Resolution	720×480, 320×240, etc.
Video Bit Rate	32kbps–51200kbps (Second rate: 32kbps–2048kbps)
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps–50fps; 60Hz: 1fps–60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps
Network Protocol	Dante AV-H, NDI HX3, Free-D, SRT, TCP/IP, HTTP, RTSP, RTMP(S), Onvif, DHCP, Multicast

INPUT / OUTPUT INTERFACE

PARAMETER	SPECIFICATION
HD Output	1×HDMI; 3G-SDI: 3G-SDI, BNC, 800mVp-p, 750Ω, Along to SMPTE 424M standard
LAN	1×RJ45; 10M/100M/1000M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line In; 1-ch: 3.5mm Audio Interface, Line Out
USB	1×USB3.0: Type B
Communication Interface	1×RS232 In: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P; 1×RS232 Out: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA use only; 1×RS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)

Note: This specification sheet has been prepared strictly from the information and visuals contained in the supplied 4-page MP-30HDAI-DA/M product document. Values and terminology have not been supplemented with external specifications.