

	<p>S.C. MultiNET S.R.L. Romania, Baia Mare, Bd. Unirii Nr.11 A/J, Cod: 430271 Tel. 0262-222201, Fax: 0262-220729 arpi@multinet.ro, www.videocapture.multinet.ro R.C.: J24 / 1183 / 1994, C.U.I.: RO 5783680</p>	<p>ISO 9001 </p>
<p>28 Ani de Buna Practica in MULTImedia&NETworking</p>	<p>IBAN: RO87 BTRL 0250 1202 A485 12XX Baia Mare</p>	<p>19254 C</p>

MN-PTZ-AT









Functions & Features

The **MN-PTZ-AT** series cameras have perfect functions, superior performance and rich video output interfaces; featuring advanced ISP processing algorithms; offering vivid and high resolution video with a strong sense of depth and fantastic color rendition. H.264/H.265 encoding is supported, which makes motion video more fluent and clear under lowbandwidth conditions.







Key Features

<ul style="list-style-type: none"> ● Full HD Resolution 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60 fps. ● Multiple Optical Zoom Lens Various models with 12x/20x/30x optical zoom lens. ● Leading Auto Focus Technology Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing. ● Low Noise and High SNR Low Noise CMOS effectively ensures high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness. ● Multiple video output interfaces HDMI, SDI, LAN. Simultaneously output audio and video signal via HDMI, SDI and LAN. LAN interface supports POE, USB 3.0 supports dual code stream, SDI supports transmission up to 100m under 1080p60 format ● AI Human Detection Built-in high-speed processor and advanced image processing and analysis algorithms, users can choose real-time tracking and regional tracking according to the environment. ● Quiet Pan / Tilt Movement With high accuracy step driving motor, camera can pan / tilt extremely quiet and smooth. 	<ul style="list-style-type: none"> ● Multiple Audio/Video Compression Supports H.264/H.265 video compression; AAC, MP3 and PCM audio compression; Supports compression of resolution up to 1920x1080 with frame up to 60fps and 2nd channel 1920x1080p with 30fps compression. ● Multiple Network Protocol Supports ONVIF, GB/T28181, RTSP, RTMP, VISCAoverIP, RTMPS, SRT protocols; Supports RTMP push mode, easy to be connected to streaming server (Wowza, FMS); Supports RTP multicast mode. ● Control Interface Supports RS-232 cascade function which is convenient for installation. RS422 is compatible with RS485, RS232-IN, RS232-OUT. ● Multiple Control Protocol Supports VISCA, PELCO-D, PELCO-P protocols; Supports automatic identification protocols. ● USB 3.0 Support Dual Coding Stream Supports main stream and sub-stream, and simultaneous output; support YUY2, MJPEG, H.264, NV12, H.265 video coding format. ● Built-in Gravity Sensor Supports PTZ auto-flip function and easy installation. ● Wide Application Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.
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Camera Parameter			
Parameter/Model	12X	20X	30X
Focus	3.9 -- 46.8mm	5.2 -- 98mm	4.3 -- 129mm
FOV	6.3° (N)	3.2° (N)	2.34°(N)
	72.5° (W)	56° (W)	65°(W)
Aperture Value	F1.8 -- F2.4	F1.5 -- F3.0	F1.6 -- F4.7
Effective Pixels	2.07, 1/2.8-inch high-quality CMOS sensor		
Video Format	<p>HDMI/SDI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50, 1080P59.94, 1080P29.97, 720P59.94;</p> <p>USB3.0: main stream: YUY2/NV12:</p> <p>1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps;</p> <p>MJPEG/H264:</p> <p>1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps;</p> <p>Sub-stream: YUY2/NV12:</p> <p>1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps;</p> <p>MJPEG/H264:</p> <p>1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps;</p>		
Minimum illumination	0.5Lux(F1.8, AGC ON)		
DNR	2D & 3D		
AWB	Automatic, manual, one-key white balance, specified color temperature		
Focus mode	Automatic, manual, one-key focus		
Exposure mode	Auto, manual, shutter priority, aperture priority, brightness priority		
Iris value	F1.8 -- F11, CLOSE		
Shutter Speed	1/25 -- 1/10000		

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BLC	on/off
Dynamic range	Off, 1 -- 8
Image adjustment	Brightness, chroma, saturation, contrast, sharpness, black and white mode, gamma
SNR	≥50dB
AI Function & Performance	
Real-Time Tracking	Maximum Tracking Range: 6-7 meters. Support speakers to walk at a speed of 3-4 meters
Regional Tracking	Maximum Tracking Region: 4. Support set the region within horizontal -170°~+170° and vertical -30°~+90°
Interface	
Product Interface	HDMI, LAN(POE), USB3.0(B Type Compatible with USB2.0), SDI-IN, RS232-IN, RS232-OUT, RS422 (Compatible with RS485) , Rotary Switch, DC12V Power,
Video Encoding Format	LAN Interface: Support main stream and sub-stream H.265 , H.264 USB3.0 Interface: main stream support YUY2, MJPG, H264, NV12
Audio input interface	Dual channel 3.5mm linear input
Audio output interface	HDMI, SDI, LAN, USB3.0
Audio compression	AAC, MP3, G.711A
LAN interface	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output
Network protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT Support remote upgrade, remote restart, remote reset
Control Interface	RS232-IN, RS232-OUT, RS422 compatible with RS485
Serial communication protocol	VISCA/Pelco-D/Pelco-P; support baud rate 115200/38400/9600/4800/2400
USB communication protocol	UVC (video communication protocol) , UAC (audio communication protocol)

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Power interface	HEC3800 Power socket (DC12V)
Power adapter	Input AC110V-AC220V; output DC12V/2.5A
Input voltage	DC12V±10%
Input current	<1A
Consumption	<12W
PTZ	
Pan rotation	-170° -- +170°
Tilt rotation	-30° -- +90°
Pan speed	0.1°/s -- 100°/s
Tilt speed	0.1°/s -- 45°/s
Preset speed	Pan: 100°/s, Tilt: 45°/s
Preset quantity	Maximum 255 preset positions can be set(10 via remote controls)
Other Parameter	
Storage temperature	-10°C -- +70°C
Storage humidity	20% -- 95%
Working temperature	-10°C -- +50°C
Working humidity	20% -- 80%
Dimension	181mm×115mm×149mm
Weight	1.15kg
Environment	Indoor
Accessory	
Standard accessory	Power adapter, RS232 control line, USB3.0 connection line, remote control, manual
Optional accessory	Ceiling mounting bracket, wall mounting bracket

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