



OPTIVIEW



IP2MPTZ33-NCV

2MP Low Light PTZ with 33x Optical Zoom



2MP IP

Professional grade weatherproof PTZ for indoor and outdoor installations.



492FT IR

High powered night vision with a minimum illumination of 0.001 LUX and Smart IR.



Starlight

Advanced Starlight illuminates the darkness with a minimum of 0.001 LUX before IR turns on.



Pan / Tilt / Zoom

4.5 ~ 148.5mm PTZ with auto focus and motorized zoom. Full 360° pan range.



Smart Intrusion Prevention

Accurately reduce false alarms with custom zones with human and vehicle detection.

UP TO 492FT IR DISTANCE

The IP2MPTZ33-NCV is capable of producing a stunningly clear, colorful video with low illuminance enhancement for darker environments. In the darkest environments, on board IR illumination kicks in. The IP2MPTZ33-NCV provides clear video capture in both day and night with high definition video output.

ULTRA 265 COMPRESSION

Utilizing H.265 advanced video encoding, provides high-quality video while reducing the storage space needed to retain your video events. Users can add their own memory card to take advantage of its edge recording capabilities.

SMART INTRUSION PREVENTION

Utilizing machine learning and data intelligence, Smart Intrusion Prevention or SIP helps reduce false-alarm rates by allowing you to set up Cross Line Detection, Intrusion Detection, as well as Enter / Leave Area, all which can do any combination of human/vehicle/non-motor vehicle recognition. Smart Intrusion Prevention's detection rate of >95% helps you improve your perimeter protection, reduce false alarms while keeping you informed about the events that matter the most to you.

AUTOMATIC NETWORK REPLENISHMENT (ANR) TECHNOLOGY

The IP2MPTZ33-NCV when connected to an ANR compatible Network Video Recorder will automatically store video data on the internal memory card when the network is disconnected. After recovery to the network, the NVR automatically retrieves the video data stored on the camera.

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ULTRA MOTION DETECTION

Utilizing machine learning and data intelligence, Ultra Motion Detection or UMD helps you filter out object based on motion detection, detecting motion of specified object types in the image, and trigger an alarm when such motion is detected. UMD supports two different object types: Person and Vehicle. UMD provides a detection rate of >90% up to 49ft and is more efficient than traditional motion detection, further reducing false-alarms. Ultra Motion Detection can be configured to your full screen or area detection.

NDAA COMPLIANCE

The John S. McCain National Defense Authorization Act (NDAA) is a United States federal law which specifies the budget, expenditures and policies of the U.S. Department of Defense. For Fiscal Year 2019, the NDAA Section 889, prohibits the U.S. government from procuring video and telecommunication equipment from certain Chinese companies and their subsidiaries. Some non government projects may require NDAA compliance if federal funding is being used.

EDGE RECORDING

Optional edge recording with an optional memory slot expandable up to 256GB.

PRODUCT SPECIFICATIONS

CAMERA	
Sensor	1/2.8", 2.0 megapixel, progressive scan, CMOS
Min. Illumination	Colour: 0.001 Lux (F1.5, AGC ON) 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	120dB
S/N	>52dB

LENS	
Lens	4.5 ~ 148.5mm, AF automatic focusing and motorized zoom lens
Digital Zoom	16
Optical Zoom	33
Iris	Auto; F1.5 ~ F4.0
Angle of View (H x V x O)	56.2° ~ 2.6°, 33.5° ~ 1.4°, 69.1° ~ 3.1°
DORI Distance	Detect: 239.3ft - 7178.3ft Observe: 95.7ft - 2871.3ft Recognize: 47.9ft - 1435.7ft Identify: 23.9ft - 717.8ft

ILLUMINATOR	
IR Range	492 ft IR range
Wavelength	850nm

ILLUMINATOR	
IR On/Off Control	Auto / Manual

VIDEO	
Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 2MP(1920 * 1080),Max 60fps; Sub Stream: 2MP (1920 * 1080), Max 60fps; Third Stream: D1 (720 * 576), Max 60fps;
Video Bit Rate	128 Kbps ~ 16 Mbps
U-code	Support
ROI	Support
Video Stream	Triple streams
OSD	Up to 8 OSDs
Privacy Mask	24 areas, up to 4 areas per scene

IMAGE	
White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2
Digital Noise Reduction	2D / 3D DNR
Flip	Normal / Flip Vertical / Flip Horizontal / 180° / 90° Clockwise / 90° Anti-clockwise
HLC	Support
BLC	Support
Defog	Digital Defog



PRODUCT SPECIFICATIONS CONT.

INTELLIGENT	
Smart Intrusion Prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
People Counting	Support people flow counting and crowd density monitoring

EVENTS	
Basic Detection	Motion Detection, Audio Detection, Tampering Alarm
Auto Tracking	Support
General Function	Watermark, IP Address Filtering, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication

AUDIO	
Audio Compression	G.711U,G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz

STORAGE	
Edge Storage	SD Card Slot, up to 256 GB
Network Storage	ANR , NAS (NFS)

NETWORK	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, strong password, HTTPS encryption, Export operation logs, basic and digest authentication for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	Optiview VMSN
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+

PAN & TILT	
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 200°/s Preset speed: 300°/s
Tilt Range	-15° ~ 90° (auto reverse)
Tilt Speed	0.1° ~ 200°/s Preset speed: 240°/s
Number of Presets	1024
Preset Patrol	16 patrols, up to 64 presets for each patrol
Route Patrol	16 patrols, up to 32 actions for each patrol
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Patrol Stay Time	15s~1800s
Preset Image Freeze	Support
Home Position	Support

INTERFACE	
Audio I/O	1/1
Alarm I/O	2/1
Serial Port	1 RS485
Built-in Mic	N/A
Built-in Speaker	N/A
WIFI	N/A
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	1 BNC

CERTIFICATION	
EMC	FCC Part 15
	EN 55032:2015
	EN 55024:2010
	EN 61000-3-2:2014 EN 61000-3-3-2013
Safety	IEC 62368-1
	EN 62368-1
	UL 60950-1
Environment	CE-ROHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); REACH (Regulation (EC) No 1907/2006)

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PRODUCT SPECIFICATIONS CONT.

GENERAL	
Power	AC 24V±25%, DC 24V±25%, PoE (PSE Required)
	Power Consumption: Max 41W
Power Interface	Wires with cold-pressed terminal
Dimensions (Ø x H)	Ø8.9" x 15.1"
Weight	11.88lb

GENERAL CONT.	
Working Environment	-40°F ~ 158°F, Humidity: ≤95% RH (non-condensing)
Storage Environment	-40°F ~ 158°F, Humidity: ≤95% RH (non-condensing)
Surge protection	6KV
Reset Button	Support
Protection	Ingress Protection: IP66
Vandal Resistant	N/A

ADDITIONAL PRODUCTS



IP5MPTZ-4XAD-NCV
Mounting Bracket



IP4MIAD-212-Z-NCV
4TB / 8TB / 10TB



Memory Card
4K HD-CVI Wide Agle
Armor Ball w/ Audio



NVR16P164K-2-NCV
5MP Motorized Varifocal
HD Bullet Camera w/ Mic



IP5MPTZ-5X-NCV
NDAA Compliant 5MP
Mini PTZ Camera

DIMENSIONS

