

# ZN10-P5MX38-NIR

5MP, 4.4 - 169.4mm PTZ Camera



## Key Features

- 1/2.8" High-Quality SONY CMOS Sensor
- 5MP, 4.4 - 169.4mm varifocal lens
- 38X Optical Zoom, 16X Digital Zoom
- STARVIS Series Back-Illuminated Progressive Scan Sensor
- Infrared Night Vision up to 300 Meters
- Multi-Stream Video Output
- Supports 1 input and 1 output channel for two-way audio communication.
- Includes 1 alarm input and 1 alarm output for external device integration.
- IP66/IP67 Weatherproof Rating
- IK10 Vandal Resistance

## Technical Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan Sony CMOS
Max. Resolution	5 MP (2592 x 1944)
Electronic Shutter	Auto/Manual, 1/15s -1/100000s
Min. illumination	Color: 0.03lux@F1.69 B/W: 0 Lux @ (IR LED ON)
Day & Night	IR cut filter
IR Distance	Up to 300m
IR Led Wavelength	850nm
IR On/Off Control	Auto/Manual
DORI AS PER IEC 62676 - IV	WIDE: D: 86m, O: 35m, R: 17m, I: 9m TELE: D: 3337m, O: 1335m , R: 667m, I :334m
Pan / Tilt / Rotation Range	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotation: 0° ~ 360°
Lens	
Lens Type	Motorized
Iris	Motorized Varifocal Iris
Focal Length	4.4 mm - 169.4 mm
Focus Range	3m to infinity
F Number	F 1.6 - F4.9
Optical Zoom	38x
Angle of View	H: 65.66° (w) - 1.92° (t), 39.43° (w) - 1.06° (t), D: 72.78°(w)- 2.24° (t)
PTZ	
Pan Range	360°
Pan Speed	Pan manual speed: 1°to 240°/s, pan preset speed: 240°/s
Tilt Range	-15° to 90° (auto-flip)
Tilt Speed	Tilt manual speed: 1° to 200°/s tilt preset speed: 200°/s
Presets	300
Patrol	8 patrols, up to 32 presets for each patrol
Pattern	4 pattern scans, record time over 10 minutes for each scan
Power Off Memory	Yes
Video	
Streaming Capability	4 Streams
Stream/Frame Rate	Profile 1: 2592 x 1944p/ 2592 x 1520/ 2048 x 1536/ 1920 x 1080/ 720P/ D1/ 2CIF/ VGA/ CIF/ QCIF @30fps (H.264/H.265) Profile 2: D1/VGA @30fps (H.265/H.264) Profile 3: 2048x1536p/ HD/ 720P/ D1/ VGA @8fps (MJPEG) or D1/VGA@15fps(H.264/H.265) Profile 4: 1920 x 1080p/720P/ D1/VGA @30fps (H.25/H.264/MJPEG)
Available Resolutions	2592 x 1944p/ 2592 x 1520/ 2048 x 1536/ 1920 x 1080/ 720P/ D1/ 2CIF/ VGA/ CIF/ QCIF
Video Compression	H.265, H.264, MJPEG
Bit Rate Control	CBR/VBR
Bit Rate	128 kbps-16Mbps
Digital Zoom	16x
Smart Encode	Support

Image	
Image Adjustment	Saturation/ Contrast/ Sharpness/Brightness/Auto Exposure/HVS- Forensics/ Smart IR
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog
Wide Dynamic Range	True WDR (120dB)
S/N Ratio	>70dB
Motion Detection	Support
Privacy Masking	Support upto 8 Zone
Smart Function	
Smart Events	Motion/No Motion Detection, View Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Loitering, Missing/ Object Counting, Abandoned Object, Audio Exception, Alarm In
IP Conflict	Yes
Network Disconnect	Yes
Storage Full	Yes
Upload Image / Video	SD, NAS, SFTP
Notifications	E-mail, SMS, TCP
Audio	
Compression	G.726 ,G.711 a-law and u-law
Two-way Audio	Support
Network	
Protocols	TCP/IP, UDP, HTTP, HTTPS, DHCP, DNS, DynDNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, SNMP, FTP, TLS/SSL, SFTP, ICMP, IGMPv2 & v3, ARP, 802.1x, IPv4, IPv6, QoS Layer 3, DSCP, CIFS, SSH, UPnP, Bonjour
ONVIF Profiles	S, G, and T
Web Viewer	Supported in IE 8.0-11.0, Firefox 15.0-47.0, Chrome 20.0-54.0
Interface	
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
Reset Button	Support
SD Card Slot	Built-in, up to 512GB
Electrical	
Power Supply	POE+, 24VDC 2.5A
Power Consumption	Max 25W
Operating Temperature	-30°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Operating Humidity	Less than 95% RH (non-condensing)
Ingress Protection	IP67
Certifications	NDAA Compliant, BIS, CE, IP67, FCC Part-15 Subpart – B, ONVIF S G & T, IK10, UL, NEMA 4X**, Essential Requirement (ER) by STQC, Delhi
Casing	Metal

Dimensions	Φ207mm x 321mm
Net Weight	5.1Kg

## Dimensions (mm)

