

ZN10-P2MX38-NIR

2MP, 4.4 - 169.4mm PTZ Camera



Key Features

- 1/2.8" High-Quality SONY STARVIS CMOS Sensor
- 2MP@60fps, 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 2 alarm input and 2 alarm output for external device integration.
- IP66/IP67 Weatherproof Rating
- IK10 Vandal Resistance
- CE, FCC, RoHS , Class 1 Make in India Compliant



Technical Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan Sony CMOS
Max. Resolution	2 MP (1920 x 1080)
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	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
Lens	
Lens Type	Motorized Auto Focus
Iris	Auto DC 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), V: 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:- 1080p(2MP)/720p/D1/VGA/2CIF/CIF/QCIF upto @60 fps(H.265/H.264) Profile 2:- D1/VGA upto @30fps(H.265/H.264) Profile 3: 1080p(2MP)/720p/D1/VGA @8fps (MJPEG) or D1/VGA@15fps(H.264/H.265) Profile 4: 1080p(2MP)/720p/D1/VGA @ 30 fps (H.265/H.264/MJPEG)
Available Resolutions	1920 x 1080, 720p, D1, VGA, 2CIF, CIF
Video Compression	H.265, H.264, MJPEG
Bit Rate Control	CBR/VBR
Bit Rate	128 kbps-16Mbps
Digital Zoom	16x
Adaptive Streaming	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	Snapshot, BLC, HLC, Day/Night Settings, Dynamic FPS
Wide Dynamic Range	True WDR (120dB)
S/N Ratio	>70dB
Motion Detection	Support
Privacy Masking	Support up to 8 Zone
Smart Function	
Smart Events	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
Cyber Security	
Data Encryption	All data, including sensitive data, is encrypted with AES 256 and RSA 2048
	HTTPs Streaming (TLS 1.2), Edge Data Encryption, Network Authentication (802.1x), Secure Firmware Upgrade Anti-roll back firmware, Web login password protection, Unused debug interface protection, IP Address Filtering, Signed firmware, Secure boot
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	2ch Input, 2ch Output
Compression	G.726,G.711 a-law and u-law
Two-way Audio	Support - full duplex
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, NEMA 4X**, Essential Requirement (ER) by STQC, Guwahati

Casing	Metal
Dimensions	Φ207mm x 417mm
Net Weight	5.1Kg

Dimensions (mm)

