

ZN10-VD2M428A-IRE

2MP, 2.8-12mm Motorized Varifocal Dome Camera



Key Features

- 1/2.8" High-Quality SONY STARVIS CMOS Sensor
- 2MP Motorized Varifocal Lens (2.8mm–12mm)
- STARVIS Series Back-Illuminated Progressive Scan Sensor
- Infrared Night Vision up to 50 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.
- IP67 Weatherproof Rating
- IK10 Vandal Resistance
- CE, FCC, RoHS, Class 1 Make in India Compliant



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Technical Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan Sony CMOS
Max. Resolution	2MP (1920 x 1080)
Electronic Shutter	Auto/Manual, 1/15s -1/100000s
Min. illumination	Color: 0.01 Lux @F1.2 (AGC ON) B/W: 0 Lux @ (IR LED ON)
Day & Night	IR cut filter
IR Distance	Up to 50m
IR Led Wavelength	850nm
IR On/Off Control	Auto/Manual
DORI AS PER IEC 62676 - IV	WIDE:- D: 51m, O: 19m, R: 10m, I: 5m TELE:- D: 119m, O: 48m , R: 25m , I :12m
Lens	
Lens Type	Motorized Auto Focus
Iris	Auto DC motorized Iris
Focal Length	2.8mm - 12mm
Focus Range	0.3m to infinity
F Number	F 1.6 – F3.2
Angle of View	H: 98° ~ 33°, V: 51° ~ 19°, D: 116° ~ 38°
Video	
Streaming Capability	4 Streams
Stream/Frame Rate	Profile 1: 1920x1080p(2MP) @30fps (H.265/ H.264) Profile 2: D1 @30fps (H.265/H.264) Profile 3: 1080p/720p/D1/2CIF/CIF @5fps (MJPEG) or 720p/D1/2CIP/CIF@15fps(H.264/H.265) Profile 4: 720p/D1/2CIF/CIF @ 30 fps (H.265/H.264/MJPEG)
Available Resolutions	1920 x 1080, 720p, D1,2CIF, CIF, VGA
Video Compression	H.265, H.264, MJPEG
Bit Rate Control	CBR/VBR
Bit Rate	128 kbps-8Mbps
Digital Zoom	16x
Adaptive Streaming	Support
Image	
Image Adjustment	Rotation/ Saturation/ Contrast/ Sharpness/ Brightness/ Hue/ White Balance
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Snapshot, Region of Interest (ROI), Smart 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 Detection, View Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Audio Exception, Missing/ Suspicious Object Detection, Object Counting, Loitering Detection
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	10Base-T/100BaseTX Ethernet (RJ-45)
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
Compression	G.726 and G.711μ
Two-way Audio	Support
Reset Button	Support
SD Card Slot	Built-in, up to 512GB
Electrical	
Power Supply	12V (DC); 802.3af (PoE)
Power Consumption	Max 7.5 W
Operating Temperature	-30°C ~ 60°C
Storage Temperature	-30°C ~ 60°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**, MTBF>100,000 Hours, Essential Requirement (ER) by STQC, Guwahati
Casing	Metal
Dimensions	Φ158mm x 143.9mm
Net Weight	1.41Kg

Dimensions (mm)

