

ZN10-VD5M428A-IRE

5MP, 2.8-12mm Motorized Varifocal Dome Camera



Key Features

- 1/2.8" High-Quality SONY CMOS Sensor
- 5MP 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.
- IP66/IP67 Weatherproof Rating
- IK10 Vandal Resistance
- CE, FCC, RoHS Compliant

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: 0.01 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: 64m, O: 26m, R: 14m, I: 7m TELE:- D: 185m, O: 75m , R: 37m , I :18m
Pan / Tilt / Rotation Range	Pan: 0° ~ 360°, Tilt: 0° ~ 75°, Rotation: 0° ~ 180°
Lens	
Lens Type	Motorized
Iris	Motorized Varifocal Iris
Focal Length	2.8mm - 12mm
Focus Range	0.3m to infinity
F Number	F 1.6 – F2.8
Angle of View	H: 106 - 32°, V: 73° - 23°, D: 142° - 39°
Video	
Streaming Capability	4 Streams
Stream/Frame Rate	Profile 1: 2592x1944@ 30fps (H.265/ H.264) Profile 2: D1@30fps (H.265/H.264) Profile 3: 2048x1536@8fps or D1/VGA@15fps (H.264/H.265/MJPEG) Profile 4: 2MP @30fps (H.265/H.264/MJPEG)
Available Resolutions	2592 x 1944, 2592 x 1520, 2048 x 1536, 1920 x 1080, 720p, D1, 2CIF, CIF
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	Rotation/ Saturation/ Contrast/ Sharpness/ Brightness/ Hue/ Auto White Balance
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, Audio Exception, Missing/ Abandoned 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
Audio	
Compression	G.726 and G.711 μ
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	10Base-T/100BaseTX Ethernet (RJ-45)
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	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	NDA Compliant, BIS, CE, IP67, FCC Part-15 Subpart – B, ONVIF S, G & T, IK10, UL, NEMA 4X**, SIRA, MTBF>100,000 Hours, Essential Requirement (ER) by STQC, Delhi
Casing	Metal
Dimensions	158mm x 136mm
Net Weight	1.41Kg

Dimensions (mm)

