

Product Data Sheet

Model : OPT-SE-5MWD25-5X-AI

5MP MOTORIZED VANDAL DOME CAMERA

CAMERA

Image Sensor	1/2.8" CMOS Progressive 5.0 MegaPixel
Day/Night	IR Cut Filter with Auto Switch
Lens Type	Motorized
Focal Length	2.7 ~ 13.5 mm
Focus	Auto / Manual
Iris Type	DC Auto Iris
Lens Mount	Ø14
Angle of View (H)	98.3° ~ 32.2°
Angle of View (V)	54.9° ~ 18.2°
Angle of View (D)	125.6° ~ 37.0°
Angle Adjustment	Pan 0~330°, Tilt 0~75°, Rotate 0~350°
Aperture	F1.6 ~ F3.3
Electronic Shutter	1s ~ 1/100,000s, Auto / Manual

Min. Illumination	Color: 0.001 lux @ F1.6, B/W: 0 lux with IR
AGC	Auto / Manual
Digital Noise Reduction	3D DNR
S/N Ratio	≥60 dB
Defog	Smart Defog
WDR	120 dB
Smart IR	Up to 30 m
IR LEDs	12
Wavelength	850 nm
DORI	
Lens	2.7 ~ 13.5 mm
Detection	56.0 ~ 240 m
Observation	22.0 ~ 95.0 m
Recognition	11.0 ~ 48 m
Identification	5.6 ~ 24.0 m
VIDEO	
Max. Resolution	2592x1944
Video Compression	Enhanced (H.265, H.264), H.265, H.264, MJPEG
Frame Rate	Main Stream: (2592×1944, 2592×1520, 2560×1440, 2304×1296) @ 25/30fps, (1920×1080, 1280×720) @ 50/60fps, Sub Stream: (704×480, 704×240, 640×360, 352×240) @ 30fps, (704×576, 704×288, 640×360, 352×288) @ 25fps Third Stream: (1920×1080, 1280×720, 640×360, 704×480, 704×240, 352×240) @ 30fps, (1920×1080, 1280×720, 640×360, 704×576, 704×288, 352×288) @ 25fps

Stream Settings	i-Frame, PAL/NTSC, Frame Rate, SVC
EIS	Supported
Video Bit Rate	32 kbps ~ 16 Mbps
Bitrate Type	CBR, VBR
Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Rotation/ Mirror, Gain, Exposure, Day/Night
White Balance	Auto, Semi Auto, Sunshine, Daylight, Warm Light, Filament, Nature Light, Lock WB, Manual
Corridor Mode	Supported
HLC	Supported
BLC	Supported
OSD	Up to 5 regions
OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes (16×16, 32×32, 48×48, 64×64, 96×96), Image overlay
ROI	Up to 8 regions
Privacy Mask	Up to 4 regions
Heatmap	Supported
AUDIO	
Audio Compression	G.711A, G.711U, ADPCM_D, AAC_LC
Audio Bit Rate	8 kbps, 32 kbps, 48 kbps
Audio I/O	1-Jan
Audio Voltage	Input: Level 5V, Input Impedance 1500 ohms Output: Level 3V, Output Impedance 100 ohms
Built-in Mic	Supported with noise cancellation

Alarm Management	Motion Detection, Tampering (Masking), Input & Output Event, IP & MAC Address Conflict, Disk Alarm (Full & R/W Error), FTP Server Exception, Abnormal Voltage, Pre/Post Alarm Recording, Alarm Recording/Snapshot
Alarm Notification	E-mail (Notification and Snapshot), HTTP (Alarm Icon), FTP (Snapshot and Recording), SD Card (Recording)
INTERFACE	
Protocols	TCP/IP, UDP, IPv4 ,IPv6, ICMP, HTTP, HTTPS, FTP, NFS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, RTMP, PPPoE, NTP, UPnP, SMTP, SSL, TLS 1.2, IGMP, 802.1X, QoS, Unicast, Multicast, ARP, SNMP, SRTP, SFTP, P2P
Security	AES 128 Video Encryption, IP Filter, User Authentication (Multiple Privilege Level), 802.1X Authentication (EAP-MD5), HTTPS Authentication, Digest Authentication, User Access Log
Compatibility	ONVIF Profile (S, G, T, M), SDK/API/CGI
Network	1 x RJ45 10M/100M Self Adaptive Ethernet Port
Alarm I/O	2-Jan
Alarm Voltage	Input (switch type) , Output (3.3V-12V, 10 ohm)
Serial Interface	1xRS485
USB	N/A
Edge Storage	MicroSD card slot, up to 512 GB
ANR	Supported
Cable Interface	Pig Tail
Remote Connection	≤7
Web Language	15
Client Application	EyeConnect
GENERAL	
Power Supply	12V DC, PoE (IEEE 802.3af, Class 3)
Max. Power Consumption	≤8 W (12V DC), ≤9 W (PoE)
Working Temperature	-40 °C ~ 65 °C
Working Humidity	≤95% RH (non-condensing)
Ingress Protection	IP67
Vandal Resistant	IK10
Extra corrosion resistance coating	Supported (Optional)
Surge Protection	TVS4000V
Reset Button	Supported
Dimensions	Φ143×123 mm
Net Weight	0.95 Kg