



HALO-DX402M 1080P Vari Focal Bullet Ultra Low Light

IK10

Impact Protection

30FPS

Frames Per Second

3D

DNR

IP66

Ingress Protection

H.265

Video Coding

Key Features

- 1/2.7" Progressive Scan CMOS
- 1920 × 1080 @ 30fps HDR (2MP)
- SONY® STARVIS™ Sensor
- Multi Codec support (H.265/ H.264/ MJPEG)
- HDR Engine Gen3
- 3D DNR
- All Aluminium Housing
- IP66, IK10
- IR LED working distance up to 45m
- ONVIF Profile S/ G/ T/M support
- POE (IEEE 802.3af)
- 5 Year Warranty

Ultra Low Light Sensor

The Halo DX range, incorporates an ultra-low light camera module based on a SONY® STARVIS™ IMX462 sensor that ensures superior near-infrared performance offering colour images in very low light conditions.

2.7-12mm Motorised Lens

The Halo SX402M comes with a new motorised 2.7-12mm motorized lens offering a larger range of scene capturing capabilities making this camera suitable for long range applications. The remote zoom and focus feature enables convenient focusing over the network together with the special P-Iris lens, eliminating the need for hands-on fine tuning. This remote adjustment functionality greatly speeds up installation time and reduces total cost to the project.

HDR Real Time Engine Gen3

The latest HDR engine delivers excellent, natural high dynamic images. Both details of high light and low light areas are kept, and no blending artifacts are generated.

Specifications

Camera	
Camera Type	Dome day / night (ICR Type)
Effective Pixels	1920 (H) x 1080(V) (2.1MP)
Pixel Size	2.9 μ m
Image Sensor	1/2.8" CMOS Progressive Scan SONY® STARVIS™ IMX462
Min. Illumination	0.02 lux (Colour)/ 0.001 lux (B/W)
Shutter Speed	1~1/10.000 sec.
Auto-Iris	Yes
Day/Night Switching	automatically removable IR Cut Filter
Digital Noise Reduction	3D Motion Compensated Noise Reduction (MCTF)
HDR	Gen3 Engine
Lens	
Focal length	2.7 to 12 mm F1.6
Focus	Auto, semi-auto, manual, zoom trigger
FOV	Horizontal FOV 106.3° (Wide) to 33.0° (Tele), Vertical FOV 58.3° (Wide) to 18.6° (Tele)
Lens Mount	Integrated
IR Illumination	
IR Range	up to 45 m
Compression Standard	
Video Compression	H.265/H.264/MJPEG
Streaming	Up to 4 individually configurable streams in H.265/ H.264/ MJPEG Configurable resolution/ frame rate/ bandwidth LBR/ VBR/ CBR in H.265/ H.264
Single Stream 2MP H.264	NTSC: 2MP @ 30fps, PAL: 1080 @ 25fps
Single Stream 2MP H.265	NTSC: 2MP @ 30fps, PAL: 1080 @ 25fps
Audio	
Compression	G.711 / G.726 / AAC / LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	line out
Network	
Interface	10/100Mbps Ethernet
Security	User Authentication/ HTTPS/ IP Filter/IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
ONVIF	Profile S / G / Q / T conformant
System Integration	
Analytics	Motion Detection/ Tampering/ Audio detection
Event Triggers	External Input, Analytics, Network Failure, Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation, Video and audio recording to edge storage File Upload : FTP, network share and email, Notification HTTP, FTP, email

Specifications

General	
Housing	Metal Body
Power	PoE IEEE802.3af, class 0, max 12.95 watt DC12V, max 12.95 watt AC24V, max 13.97 watt, max 25.19 VA
Connectors	RJ45, Alarm in x1, Alarm out x1, DC12V, AC 24V, CVBS Connector, Terminal Block
Live Analog Video Output	2 pin connector 75Ω, PAL class 2
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Protection Level	IP66, IK10
Material	Metal
Operating Conditions	-30°C~55°C without heater, -55°C~55°C with heater, 10%~90%, No Condensation
Dimensions	Ø 105 x 234 mm
Weight	1280 g
Warranty	5 years Warranty
C00	Country of Origin Taiwan
Part Number	0070-05402

Accessories



0070-10019
Halo Back Box
Wall Mount



0070-10023
Halo Back Box
Pole Mount Adaptor
Diameter 70-180mm



0070-10022
Halo Back Box
Pole Mount
Diameter 70-180mm