

INTELLIO

ILO-242-BL-IR IR Motorized Varifocal Bullet camera, 4MP



NEO Core

Made in Japan / NDAA certified

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max Resolution	4MP, 2560(H) × 1440(V)
Shutter Speed	1/5 to 1/20,000s
Min Illumination	Color: 0.0008 Lux @ (F1.3, AGC ON), B/W: 0.0003 @ (F1.3, AGC ON), 0 Lux with IR on
Day & Night	Auto (ICR)
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°

Lens

Lens Type	Varifocal lens, Motorized focal
Focal Length	3.6 to 11 mm
Max. Aperture	F1.3
Field of View (FOV)	H: 113.8° to 50.9°, V: 59.4° to 28.6°
Iris	Fixed Iris

DORI Distance (EN62676-4 standard)

Detect	60 to 130 m (196.85 to 426.51 ft)
Observe	24 to 52 m (78.74 to 170.60 ft)
Recognize	12 to 26 m (39.37 to 85.30 ft)
Identify	6 to 13 m (19.69 to 42.65 ft)

Illuminator

Type	IR
IR wavelength	850 nm
Distance	Up to 60 m (196.9 ft)
Control	Auto/Manual

Intelligent Analytics

AI Multi-Target	Supports face, human, and vehicle detection & capture
Intelligent Analysis	Intrusion detection, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, and perimeter detection Supports accurate target classification (human/vehicle)
People Counting	Supported

Video & Audio

Number of Streams	3 Streams
Resolution	Stream1: 2560×1440, 2304×1296, 1920×1080, 1280×720 Stream2: D1, VGA, CIF Stream3: VGA, CIF, QVGA
Frame Rate	Up to 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Smart Encoding	Supported
Region of Interest (ROI)	Off / On (8 Zone, Rectangle)
Audio Compression	G.711 A-law, G.711 μ -law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

Image

Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Wide Dynamic Range	True WDR (120dB)
Privacy Masking	4 areas

Event

Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, Alarm output, FTP upload, SMTP upload, Snapshot, Audible alarm output

Network

Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Application Programming Interface	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

Security

OS / Firmware Protect	Encrypted firmware, Signed firmware
User Authentication	Digest authentication, Prevent brute-force attack
Network Authentication	IEEE 802.1X (EAP-TLS)
Secure Communication	HTTPS, WSS(WebSocket Secure), SRTP
Access Control	IP-based access control, Auto logout
Data Protect	Encryption credentials
Audit	Access / System / Event Log management
Secure Storage	SDcard partition encrypt(AES-256), Secure element
Supply Chain Security	SBOM




Interface

Network Interface	1 × Ethernet (10/100 Base-T), RJ-45 connector
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 256 GB
Reset Button	Supported

General

Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC (-15% to +25%) / PoE (802.3af)
Power Consumption	Max 11.5 W
Operating Temperature	-40°C to 55°C (-40°F to 131°F)
Operating Humidity	Less than 95% RH
Ingress Protection	IP67 (housing), IK10
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-3, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy
Dimensions	φ110.3 × 356.33 mm (φ4.34 × 14.03 inch)
Net Weight	Approx. 1.45 kg (3.2 lb)

Accessories (optional)

Junction box		ILA-106
Pole mount		ILA-301
Pole mount		ILA-302

Dimensions (mm)

