INTELLIO



ILO-482-VD-FI

4-Directional

Multisensor camera, 4x8MP

NEO Multi

Made in Japan / NDAA certified

Camera & Sensor	
Max Resolution	8MP, 3840(H) × 2160(V)
Min Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Image Sensor	4 × 1/2.8” Progressive Scan CMOS
Shutter Speed	1/5 to 1/100,000s
Day & Night	Auto (ICR)
Angle Adjustment	Pan: -180˚ to 180˚, Tilt: 0˚ to 130˚, Rotation: 0˚ to 355˚
Illuminator	
Type	IR
IR wavelength	850 nm
Distance	Up to 40 m (131.2 ft)
Control	Auto / Manual
Lens	
Lens Type	Varifocal lens, Motorized focal
Focal Length	2.7 to 13.5 mm
Max. Aperture	F1.6
Field of View (FOV)	H: 108.1° to 30.9°, V: 56.1° to 17.4°
Iris	Auto Iris
DORI Distance	
Detect	95.1 to 289.9 m (312 to 951.12 ft)
Observe	38.1 to 115.9 m (125 to 380.25 ft)
Recognize	19.1 to 57.9 m (62.66 to 189.96 ft)
Identify	9.6 to 28.9 m (31.5 to 94.82 ft)
Image Settings	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation
Scene Mode	Indoor, Outdoor, Mirror
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day mode, Night mode, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	WDR, HLC, BLC, Defog
Wide Dynamic Range	True WDR (120dB)
Privacy Masking	Up to 4 × 4 areas

Video & Audio Streams	
Number of Streams	3 Streams
Resolution	Stream1: 3840 × 2160, 2592 × 1944, 2592 × 1520, 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 16 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)
Events & Alarms	
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
Intelligent Analytics	
Smart Tracking	Supports face, fullbody, and vehicle detection & capture Supports fullbody and vehicle attribute detection Supports multiple frame modes: Full Frame, Four-Corner Frame, Mosaic
Attribute Extraction	Human Attributes: Gender, age, glasses, hat, bag, upper clothing color & style, lower clothing color & style, reflective vest Vehicle Attributes: Type, color, brand, orientation
Smart Detectors	Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection, enter area, and leave area - Supports alarm triggering based on specified target types (human/vehicle)
Statistical Detectors	People Counting

Security	
OS / Firmware Protect	Encrypted firmware, Secure boot, 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
Security Certificate	Secure element (FIPS 140-3 level 3)
Network	
Protocols	IPv4/IPv6, TCP/UDP, DNS, DHCP, HTTP/HTTPS, DDNS, PPPoE, RTSP/ RTCP/RTP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Application Programming Interface	ONVIF (Profile G/S/T/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
Interfaces	
Network Interface	1 × Ethernet (10/100 Base-T), RJ-45 connector
Built-in Microphone	Supported
Audio Interface	1ch Input, 1ch Output
Alarm Interface	4ch Input, 2ch Output
RS-485	1 RS-485
CVBS Output	Supported
SD Card Slot	Built-in microSD card slot, up to 1 TB
Reset Button	Supported

General Specifications	
Language	English (default), Hungarian, Japanese, Polish, Italian, Portuguese, Spanish, Russian, Chinese, Traditional Chinese, Korean, French, Czech
Power Supply	12 VDC (-15% to +25%) / PoE+ (802.3at)
Power Consumption	Typical: 10.8 W (12 VDC) / approx. 13.5 W (PoE) Max (IR on): 20.2 W (12 VDC) / approx. 25.3 W (PoE)
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Humidity	Less than 95% RH
Ingress Protection	IP67, IK10
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy body, bubble: plastic
Dimensions	Φ282.1 × 206.31 mm (φ11.1 × 8.12 inch) , (Bracket not included)
Net Weight	Approx. 4 kg (8.82 lb), (Bracket not included)
Accessories (optional)	
Junction box	 ILA-107
Vertical pole mounting bracket	 ILA-303
Corner mounting bracket	 ILA-204
Wall mounting bracket	 ILA-203

Dimensions (mm)

