INTELLIO

ILO-383-PT-EP

IR Explosion-proof
PTZ camera, 40x, 8MP



NEO Elite

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)
Image Sensor	1/1.8” Progressive Scan CMOS
Shutter Speed	1/5 to 1/20,000s
Day & Night	Auto (ICR)
Illuminator	
Type	IR
IR wavelength	850 nm
Distance	Up to 200 m (656.2 ft)
Control	Auto / Manual
Lens	
Focal Length	6.8 to 272 mm
Max. Aperture	F1.63 to F4.94
Field of View (FOV)	H: 62.1° to 2.3°, V: 36.7° to 1.2°
Optical Zoom	40x
Digital Zoom	16x
Iris	Auto/Manual
Focus Control	Auto/Manual/Semi-automatic
PTZ	
Pan/Tilt Range	Pan: 0° to 360° endless, Tilt:-90° to +90°
Pan Speed	Pan speed: 0.1° to 30°/s, preset speed: 30°/s
Tilt Speed	Tilt speed: 0.1° to 20°/s, preset speed: 30°/s
Power-Off Memory	Supported
3D Positioning	Supported
PTZ Status Display	Supported
Idle Motion	The time can be set (1-240 minutes), and functions such as preset positions, patrols, scans, and tracks can be run

DORI Distance	
Detect	140.1 to 5,590 m (459.65 to 18,339.9 ft)
Observe	56.1 to 2,238 m (184.1 to 7,342.52 ft)
Recognize	28.1 to 1,119 m (92.2 to 3,671.3 ft)
Identify	14.1 to 559.9 m (46.3 to 1,836.9 ft)
Image Settings	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror
Exposure Mode	Auto, Manual, Shutter priority, Iris 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, Anti-shake
Wide Dynamic Range	True WDR (120dB)
Privacy Masking	Support 40 zones, mask color configurable
Video & Audio Streams	
Number of Streams	3 Streams
Resolution	Stream1: 3840×2160, 2592×1520, 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)	Supported
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 multiple frame modes: Full Frame, Four-Corner Frame, Mosaic
Thermal Detectors	Smoking, Smoke and Flame, Fire Spot
Smart Detectors	Intrusion detection, 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. - Supports accurate target classification (human/vehicle)
Statistical Detectors	People Counting

Security	
OS / Firmware Protect	Encrypted firmware, Signed firmware
User Authentication	Encrypted firmware, Secure boot, Signed firmware
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
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 × RJ-45, 10/100 Mbps self-adaptive Ethernet port
Fiber Interface	Optional (-K model): - 1 × 10/100 Mbps single-mode, single-fiber port
Audio Interface	1 input, 1 output
Alarm Interface	5 inputs, 1 output
RS-485	Supported
CVBS Output	1ch BNC
SD Card Slot	MicroSD card slot (max. 1 TB) *Memory card must be factory pre-installed and is not field-installable.
Reset Button	Supported
General Specifications	
Language	English (default), Hungarian, Japanese, Polish, Italian, Portuguese, Spanish, Russian, Chinese, Traditional Chinese, Korean, French, Czech
Power Supply	100 to 240VAC
Power Consumption	Less than 75W
Operating Temperature	-40°C to 60°C (-40°F to 140 °F)
Operating Humidity	Less than 95% RH
Ingress Protection	IP68
Wiper	Supported
Certifications	ATEX: Ex II 2GD Ex db IIC T6 Gb /Ex tb IIIC T80°C Db; IECEx: Ex db IIC T6 Gb /Ex tb IIIC T80°C Db
Material	SUS316L
Dimensions	530.01 × 295.03 × 420.1 mm (20.87 × 11.61 × 16.54 inch)
Net Weight	38 kg (83.78 lb)

Accessories (optional)

Junction box		ILA-109
Wall mounting bracket		ILA-206
Vertical pole mounting bracket		ILA-306

Dimensions (mm)

