

# INTELLIO



## ILO-383-PT-EP IR Explosion-proof PTZ camera, 40x, 8MP

### NEO Elite

Made in Japan / NDAA certified

#### Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max Resolution	8MP, 3840(H) × 2160 (V)
Shutter Speed	1/5 to 1/20,000s
Min Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON)
Day & Night	Auto (ICR)

#### Lens

Focal Length	6.8 to 272 mm
Max. Aperture	F1.63 to F4.94
Field of View (FOV)	H: 62.0° to 2.4°, V: 36.6° to 1.3°
Optical Zoom	40x
Digital Zoom	16x
Iris	Auto/Manual
Focus Control	Auto/Manual/Semi-automatic

#### DORI Distance (EN62676-4 standard)

Detect	140 to 5,600 m (459.32 to 18,372.7 ft)
Observe	56 to 2,240 m (183.73 to 7,349.08 ft)
Recognize	28 to 1,120 m (91.86 to 3,674.54 ft)
Identify	14 to 560 m (45.93 to 1,837.27 ft)

#### Illuminator

Type	IR
IR wavelength	850 nm
Distance	Up to 200 m (656.2 ft)
Control	Auto / Manual

## Intelligent Analytics

Multi-Object Detection	Supports face, human, and vehicle detection & capture Supports human 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
Intelligent Analysis	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)
Smoke and Flame	Supported
People Counting	Supported

## Video & Audio

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 $\mu$ -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
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

**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

**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	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

## Interface

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

Language	English (default), Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean
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 × 295 × 420 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)

