LEGEND NX
LGNXDO5IQWA

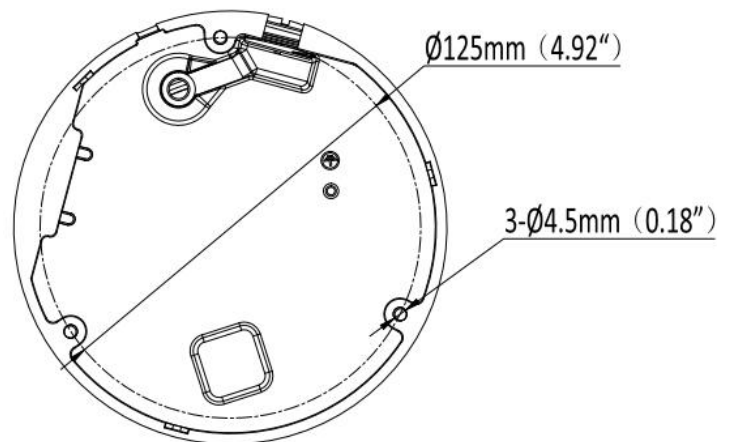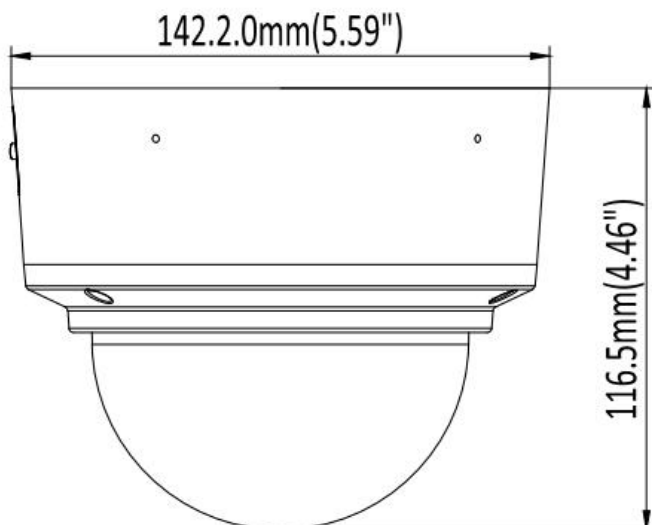# 5.1 MP Dome Network Camera With High IQ and Motorized Lens

- 5MP High-Resolution Imaging
- High IQ: Extreme AI Analytics
- Smart Target Recognition of humans & vehicles powered by deep learning
- 120 dB true WDR Technology
- IP67: Water and dust resistant
- IK10: Vandal-Proof
- Embedded Microphone, audio and alarm interface
- Advanced H.265+ Compression

NDAA Compliant

iQ High AI Intelligence Quotient

5 MP | WDR 120dB | IP67 | IK10 | Built-in Mic

In short

This 5MP high-resolution surveillance camera features extreme AI analytics and a motorized varifocal lens for quick remote zoom and focus adjustments. It includes 120 dB true WDR, deep learning for enhanced human and vehicle recognition, IP67 water and dust resistance, IK10 vandal protection, built-in microphone with audio and alarm interface, and advanced H.265+ compression.

Dimensions

142.2.0mm(5.59")

116.5mm(4.46")

Ø125mm (4.92")

3-Ø4.5mm (0.18")

*Design and specifications are subjects to change without notice.

INAXSYS SECURITY SYSTEMS INC.

Technical Specifications

Camera: LGNXDO5IQWA	
Image Sensor	1/2.7" Progressive Scan CMOS Sensor
Minimum Illumination	Color: 0.006 Lux , 0 Lux with IR
Illumination Range	50m / 164.04ft (IR light)
Embedded Features	Built-in Mic, Built-in Reset Button, Smart IR Light, Strobe Light
External Features	DC12V ± 25%
Viewing Angle	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°

Lens				
Focal Length	2.7 ~ 13.5 mm			
Aperture	F1.6			
Field of View	2.7 ~ 13.5 mm: Horizontal FOV: 112° ~ 35.5°, Vertical FOV: 59° ~ 20°, Diagonal FOV: 134° ~ 41°			
Thread Mount	Φ 14			
DORI 2.7 ~ 13.5 mm	Detection	Observe	Recognize	Identify
	72-206m	27.9-81.5m	14-40.8m	7-20.4m

Camera Image	
Maximum Resolution	5MP (2880 x 1620)
Frame Rate	**Main Stream**
	50Hz: 25fps 5MP (2880 × 1620), 25fps 4MP (2688 × 1520), 25fps 4MP (2560 × 1440), 25fps 1080P (1920 × 1080)
	60Hz: 30fps 5MP (2880 × 1620), 30fps 4MP (2688 × 1520), 30fps 4MP (2560 × 1440), 30fps 1080P (1920 × 1080)
	Sub Stream
	50Hz: 25fps 720P (1280 × 720), 25fps D1 (704 × 576), 25fps CIF (352 × 288)
	60Hz: 30fps 720P (1280 × 720), 30fps D1 (704 × 480), 30fps CIF (352 × 240)
	Third Stream
	50Hz: 25fps CIF (352 × 288)
	60Hz: 30fps CIF (352 × 240)
Image Calibration	Brightness / Contrast / Hue / Saturation / Sharpness
Shutter Time	Auto/Manual, 1/3 ~ 1/100000s
Day/Night	IR Cut Filter
Wide Dynamic Range	120 dB
Digital Noise Reduction	2D/3D DNR
Image Features	Backlight Compensation (BLC), Highlight Compensation (HLC), Region of Interest (ROI), Rotation, Defog

Compression	
Video Compression	H.265+ / H.265 / H.264 / H.264+ /MJPEG

INAXSYS
SECURITY SYSTEMS INC.

Technical Specifications

H.265 Codec Profile	Main Profile
H.264 Codec Profile	Base / Main / High profile
Video Bit Rate	11 Kbps ~ 10 Mbps
Video Stream	Triple
Audio Compression	G.711A, G.711U
Audio Bit Rate	64 Kbps
Intelligent Features	
Standard Events	Motion detection (supports alarm triggering based on specified target types, such as humans and vehicles), Video Tampering
Advanced Events	Advanced motion analysis, boundary crossing, zone penetration, sector access, perimeter exit (supports alarm activation based on specified target categories: person and vehicle) and Scene Alteration Detection
Face Detection	Supported
Network	
Network Storage	NAS (NFS, SMB/CIFS), ANR
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
System Compatibility	Onvif (Profile S, Profile G, Profile T), SDK
Security	Password protection, complex passwords, HTTPS encryption, IP address filtering, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Users	Maximum 40 users
Web Browsers	Internet Explorer 10 and 11 need a plug-in for live view support. Chrome 57.0+ and Firefox 52.0+ are required for local service.
Mobile Surveillance	iOS, Android
Hardware	
Ethernet	1 RJ45 10 M/100 M self-adaptive Ethernet port
Storage	Up to 256GB
Audio I/O	1/1
Alarm I/O	1/1
General	
Working Conditions	-40°C ~ 60°C (-40°F ~ 140°F) Humidity 95% or less (non-condensing)
Power Supply	DC12V ± 25%/ PoE (802.3 af)
Power Consumption	Less than 9.5W
Protection Level	IP67
IR Rating	IK10
Material	Metal
Dimensions	Φ 142.2 × 116.5 mm (Φ 5.59" × 4.46")
Weight	2.25lb / 1020g

INAXSYS
SECURITY SYSTEMS INC.®

What you may need

XLGNXLB12C
Junction Box
Φ142 mm × 46.5mm

XLGNXPM03
Pole Mount
Φ170mm × 135.8mm × 43.7mm

XLGNXPJ
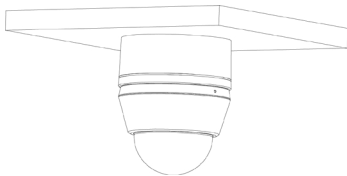Junction Box with door and hinges
309.9mm × 194mm × 92.1mm
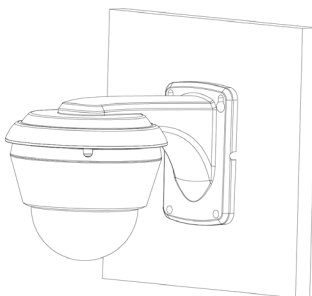
XLGNXLB07C
Wall Mount
Φ136mm × 120mm x 208mm

XLGNXCM700
Pendant Mount Bracket
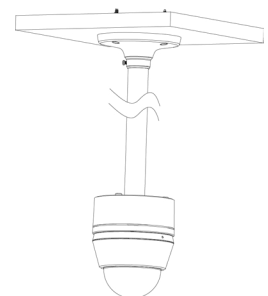Φ116 mm × 734.5 mm
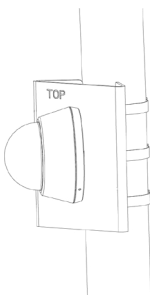
Accessories Mount

XLGNXLB12C

XLGNXLB07C

XLGNXLB12C + XLGNXLB07C

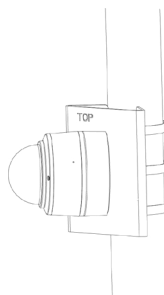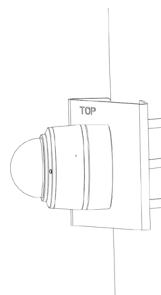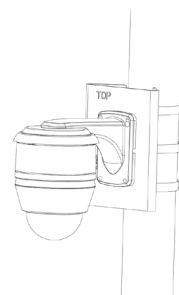**XLGNXLB12C + XLGNXCM700**

XLGNXPM03

XLGNXPM03 + XLGNXLB12C

XLGNXPM03 + XLGNXLB07C

XLGNXPM03 + XLGNXLB07C + XLGNXLB12C

*Design and specifications are subjects to change without notice.

inaxsys
SECURITY SYSTEMS INC.