

LGNXD05ADWPTZ32X

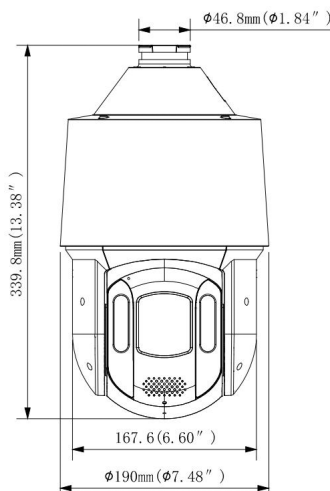
5.1 MP Active Deterrence 32X PTZ Network Camera



- **High quality imaging with 5 MP resolution**
- **32x optical zoom providing detailed close-up monitoring**
- **Clear imaging against strong backlight with 130 dB wide dynamic range**
- **Infrared range up to 200 m**
- **Engineered for durability with IP67 water and dust protection and IK10 vandal resistance**
- **Built-in microphone and speaker**
- **Includes wall mount, 36 V power supply, and mounting accessories**

Dimensions

With included accessories



*Design and specifications are subject to change without notice - Version 2026-01-23

LGNXD05ADWPTZ32X - 5.1 MP Active Deterrence 32X PTZ Network Camera

Camera

Image Sensor

1/2.8" Progressive Scan CMOS Sensor

Minimum Illumination

0.005 Lux (colour), 0.0005 Lux (B/W), 0 Lux with IR

Illuminators

4 infrared LED units, 2 laser units, 4 white light LED units

Illumination Distance

200 m (IR light), 50 m (warm light)

IR Wavelength

850 nm

IR Control

Auto / Manual

Active Deterrence LED

1 red light unit, 1 blue light unit

Smart IR

Smart IR supported

Starlight

Starlight technology supported

Lens Settings

Shutter

Auto / Manual (1/1 s ~ 1/100000 s)

Day/Night

IR cut filter with automatic switching

Wide Dynamic Range

130 dB

S/N Ratio

>56 dB

Digital Noise Reduction

2D/3D Digital Noise Reduction

Lens

Focal Length

4.8 ~ 154 mm

Aperture

F1.6 ~ F4.3

Field of View

HORIZONTAL : 54.4° ~ 2.3°

VERTICAL : 41.1° ~ 1.7°

DIAGONAL : 67.2° ~ 2.8°

Optical Zoom

32x optical zoom

Digital Zoom

16x digital zoom

Zoom Speed

5.66 s

Focus

Auto / Semi-auto / Manual

DORI

Detection	Observation	Recognition	Identification
4.8 mm: 200 m / 154 mm: 2500 m	4.8 mm: 80 m / 154 mm: 1000 m	4.8 mm: 40 m / 154 mm: 500 m	4.8 mm: 20 m / 154 mm: 250 m

Pan & Tilt

Pan Range

360° endless

Pan Speed

Configurable from 0.1° to 240°/s; preset speed: 240°/s

Tilt Range

-15° to +90° (auto flip 180°)

Tilt Speed

Configurable from 0.1° to 80°/s; preset speed: 200°/s

Proportional Zoom

Supported

Presets

255

Power-off Memory

Supported

Patrol

32 automatic patrols

Preset Patrol

32 patrols, up to 32 presets for each patrol

Route Patrol

Supported

Recorded Patrol

8 recorded patrols, up to 128 actions for each patrol

Patrol Stay Time

15 s ~ 255 s

Preset Image Freeze

Not supported

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Home Position

Supported

3D Positioning

Supported

Active Deterrence

Red/Blue Light

Red and blue warning light

Sound Warning

Sound warning supported

Compression

Video Compression

Main stream: H.265+/H.265/H.264+/H.264; Sub-stream: H.265/H.264/MJPEG; Third stream: H.265/H.264

H.265 Codec Profile

Main Profile

H.264 Codec Profile

Base/Main/High Profile

Video Bit Rate

32 Kbps ~ 16 Mbps

Multiple Streams

Triple stream supported

U-code

H.264+/H.265+

Audio Compression

G.711A, G.711U

Audio Bit Rate

64 Kbps

Two-way Audio

Two-way audio supported

Audio Suppression

Audio suppression supported

Sampling Rate

8 KHz

Image

Maximum Resolution

5.1 MP (2592 x 1944)

Main Stream

50Hz: 25fps (2592 x 1944, 2304 x 1728, 1920 x 1080, 1280 x 960, 1280 x 720) / 60Hz: 30fps (2592 x 1944, 2304 x 1728, 1920 x 1080, 1280 x 960, 1280 x 720)

Sub Stream

50Hz: 25fps (704 x 576, 640 x 480, 352 x 288) / 60Hz: 30fps (704 x 480, 640 x 480, 352 x 240)

Third Stream

50Hz: 25fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288) / 60Hz: 30fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 240)

Image Settings

Parameters

Brightness, contrast, saturation, hue and sharpness adjustable

White Balance

Automatic white balance supported

Image Enhancement

Backlight Compensation, Highlight Compensation, 2D/3D Digital Noise Reduction

Region of Interest (ROI)

Region of Interest supported

Stabilization

Electronic Image Stabilization (EIS)

OSD

OSD supported

Defog

Electronic defog supported

Privacy Mask

Not supported

Smart Features

Basic Events

Motion detection and video tampering

Smart Events

Advanced analytics including smart motion detection, line crossing, intrusion, region entrance and exit with human and vehicle classification

Auto Tracking

Auto-tracking supported

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LGNXD05ADWPTZ32X - 5.1 MP Active Deterrence 32X PTZ Network Camera

Face Detection

Face detection supported

Network

Storage

NAS (NFS/CIFS)

Protocols

TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P

Compatibility

ONVIF (Profile S, G, T), CGI

Security

User authentication, IP address filtering and video masking

Users

40

Browsers

Internet Explorer 10/11, Chrome 57+, Firefox 52+

Mobile

iOS, Android

Client

VMS supported

Interface

Network

1 x RJ45 10/100 Mbps self-adaptive Ethernet port

On-board Storage

Up to 512 GB

Microphone

Built-in microphone

Speaker

Built-in speaker

Audio Input / Output

1 input / 1 output

Alarm Input / Output

2 input / 1 output

Reset Button

Reset button supported

Serial Port

Not supported

Video Output

Not supported

General

Operating Conditions

-40°C to 70°C

Humidity

Up to 95% RH (non-condensing)

Power Supply

DC 36 V

PoE

PoE++ (802.3bt)

Power Consumption

Maximum 30 W

Power Interface

Pressed wire connectors with a spacing of 8 mm

Protection

IP67, 6000 V surge protection

Dimensions

190 mm diameter × 339.8 mm

Weight

7650 g

Material

Metal housing

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Included with the camera



36 V power supply (with power cable)



Wall mount for PTZ camera

Accessories



XLGNXC1A4 - Pendant Mount



XLGNXC2A1 - Pendant Mount Bracket



XLGNXPC1B5 - Corner Mount



XLGNXPJM01 - Corner Mount (supports XLGNXPJ)



XLGNXPP1A8 - Pole Mount



XLGNXPJ - Junction box with door and hinges



XLGNXKA3 - NX PTZ Keyboard

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