

4MP Network LumiLuxSmart Bullet Camera (Vari-Focal)

N5B-4LAV



Key Features

- 4MP Bullet Housing
- 2.7 mm to 12 mm Motorized Lens
- LumiLuxSmart — IR and White-Light LEDs
- Video Content Analytics+: Line Crossing, Intrusion, Loitering Detection, Parking Detection
- LumiAnalytics, Face Detection, People Counting, Heat Map, LumiSearch+
- iMD, Queue Management, Smart Object Detection
- LumiPower

Certifications and Compliance

- NDAA Compliant
- FCC
- IC



Learn more about this camera's key technologies.



View all compatible accessories for this camera.

Overview

The **N5B-4LAV** is part of Luminy's N5 mainstream series of security devices. N5 mainstream series devices are designed with a suite of advanced LumiTechnologies to meet the needs of today's evolving security market.

Key Technologies

LumiLuxSmart technology allows cameras to capture clear, full-color video day or night. When motion is detected, LumiLuxSmart cameras switch from IR LEDs to white-light LEDs to illuminate a scene, then switch back to IR mode once motion has ceased to prevent light pollution and energy inefficiency.

LumiSearch+ technology lets you quickly find, track, and identify targets in security footage using a reference image. The LumiSearch+ algorithm analyzes human body shape, clothing color, and other characteristics to accurately pinpoint where a target has appeared in footage captured by any LumiSearch+-enabled camera and NVR.

LumiAnalytics technology uses detailed metadata and advanced AI algorithms to track important metrics such as people counting and behavior analysis. These insights give businesses highly valuable information to improve and optimize operations.

LumiPower technology enables long-distance Power over Ethernet transmission, extending power and data delivery up to 3,000 feet. This simplifies installations in larger or more complex environments by eliminating the need for additional power sources or repeaters. LumiPower ensures consistent connectivity and dependable power management, ideal for expansive security infrastructures.

Specifications

Camera

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|-------------------------------|--|
| Luminys Series | N5 Series (Mainstream) |
| Image Sensor | 1/1.8-in. 4MP Progressive CMOS |
| Maximum Resolution | 2688 × 1520 |
| Minimum Illumination | Color: 0.0006 Lux at F1.2 Black/White: 0.0003 Lux at F1.2 0 Lux With IR Light On |
| Number of Illuminators | Four (4) Dual-Core (IR and White Light) LEDs, Supports LumiLuxSmart |
| Illuminator Control | Automatic, Manual |
| Maximum Illumination Distance | IR: Up to 50.0 m (164.0 ft) White Light: Up to 50.0 m (164.0 ft) |
| Electronic Shutter Speed | Automatic, Manual 1/3 s to 1/100,000 s |
| Pan/Tilt/Zoom | Pan: 0° to 360° Tilt: 0° to 90° Zoom: 0° to 360° |
| S/N Ratio | > 50 dB |

Lens

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| Iris Type | Automatic |
| Lens Type | Motorized Vari-Focal |
| Focal Length | 2.7 to 12 mm |
| Maximum Aperature | F1.2 |
| Field of View | Horizontal: 114° to 48° Vertical: 59° to 27° Diagonal: 143° to 56° |
| Close Focus Range | 1.8 m (5.7 ft) |
| DORI Distance | Detect: 60.4 m to 128.7 m (198.1 ft to 425.5 ft) Observe: 24.2 m to 51.5 m (79.4 ft to 169.0 ft) Recognize: 12.1 m to 25.7 m (39.7 ft to 84.3 ft) Identify: 6.0 m to 12.9 m (19.7 ft to 42.3 ft) |

Video

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|--------------------|--|
| Compression | H.265, H.264, MJPEG (Sub Stream Only) |
| Stream Capability | Three (3) Streams |
| Resolution | 4MP (2688 × 1520), 3.6MP (2560 × 1440), 3MP (2048 × 1536), 2MP (2304 × 1296), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240) |
| Maximum Frame Rate | Main Stream: 2688 × 1520 at 1–30 fps Sub Stream 1: D1 at 1–30 fps Sub Stream 2: 1080p at 1–30 fps |
| Video Bit Rate | H.265: 12 kbps to 11776 kbps H.264: 32 kbps to 16384 kbps |
| Bit Rate Control | CBR/VBR |
| Day/Night | Automatic (ICR), Color, Black and White |
| Light Balancing | Wide Dynamic Range (130 dB) |
| Noise Reduction | 3D NR |
| Image Rotation | 0°/90°/180°/270° (Supports 90°/270° with 2MP Resolution and Lower) |
| Mirroring | Supported |
| Defog | Supported |

Video

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|--------------------|----------------|
| Region of Interest | Four (4) Zones |
| Privacy Masking | Four (4) Zones |

Analytics

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|------------------------------|--|
| Video Content Analytics | Line Crossing, Intrusion, Loitering Detection, Parking Detection |
| Intelligent Motion Detection | Supported with Alarms for Vehicles and Humans |
| Face Detection | Capture Snapshots and Facial Attributes |
| Heat Map | Supported |
| People Counting | Tripwire and In-Area People Counting, Queue Management With Report |
| LumiSearch+ | Supported When Used With LumiSearch+-Enabled NVRs |
| LumiAnalytics | Supported |
| Object Monitoring | Supported |

Audio

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|-------------|---|
| Compression | G.711a, G.711Mu, PCM |
| Interface | Input: Built-in Microphone and 1-Channel RCA Input Output: Built-in Speaker and 1-Channel RCA Output |

Alarm

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|-----------|---|
| Event | No SD Card, SD Card Full, SD Card Error, Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Line Crossing, Intrusion, Abandoned Object, Missing Object, Loitering Detection, Parking Detection, Scene Changing, Audio Detection, Voltage Detection, External Alarm, Face Detection, iMD, Security Exception, Area People Counting, Stay Alarm, People Counting, People Number Exception Detection |
| Interface | Input: One (1) Channel (Max. 5 VDC, 5 mA) Output: One (1) Channel (Max. 12 VDC, 300 mA) |

Network

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| Protocol | RJ-45 (10/100 Base-T) |
| Protocol | IPv4, IPv6, HTTP, TCP, RTSP, RTMP, SNMP, FTP, NAS, DHCP, DDNS, QoS, UPnP, NTP, Multicast, NFS, PPPoE, SNMP |
| Interoperability | ONVIF (Profile S/G/T), API, SDK |
| Browser | Chrome, Firefox |
| Client | LumiViewer, LumiViewer Mobile App |
| Storage | FTP, NAS, Micro SD Card (Max. 512 GB) |



Electrical

Power Supply 12 VDC, PoE (802.3at), LumiPower

Power Consumption

12 VDC

- Maximum: 11.9 W
- Normal: 4.3 W

PoE

- Maximum: 13.8 W
- Normal: 5.3 W

Construction

Net Weight 1.1 kg (2.4 lb)

Gross Weight 1.4 kg (3.0 lb)

Operating Temperature -30 °C to 60 °C (-22 °F to 140 °F)
< 95% RH (Non-Condensing)

Storage Temperature -40 °C to 60 °C (-40 °F to 140 °F)

Protection Ratings IP67, IK10

Dimensions 290.6 mm × 98.6 mm × 88.2 mm
(11.4 in. × 3.9 in. × 3.5 in.)

Material Metal

Certifications and Compliance

Certifications FCC, UL, IC

Compliance NDAA

Dimensional Drawing

mm [in.]

