# 4MP Network LumiLuxSmart Turret Camera (Vari-Focal)

N3T-4LAV




## Key Features

- 4MP Turret Housing
- 2.7 mm to 13.5 mm Motorized Vari-Focal Lens
- LumiLuxSmart — IR and White-Light LEDs
- Video Content Analytics: Line Crossing, Intrusion
- iMD
- LumiDesertPro

## Certifications and Compliance

- NDAA Compliant
- FCC
- IC

## Learn More

Learn more about this product's key technologies.

View all compatible accessories for this product.

## Overview

The **N3T-4LAV** is part of Luminys's Starter series. Starter series devices are designed with a curated selection of technologies and features to provide high-quality security without unnecessary or complicated add-ons.

This camera is equipped with LumiLuxSmart technology to provide unparalleled customization and flexibility to meet the needs of today's security market. LumiLuxSmart cameras allow users to switch between three low-light functionalities: covert IR- only mode, nighttime white-light LED lighting, and motion-activated IR and LED dual-illumination. The brightness and intensity of the white-light LEDs can be remotely adjusted, preventing unnecessary light pollution. With its smart design, this camera is ideal for small to mid-sized applications.

## Key Technologies

**LumiLuxSmart** technology 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.

**Intelligent Motion Detection (iMD)** technology accurately detects and filters humans and vehicle in a monitoring area. Using an advanced algorithm, iMD can accurately detect humans and vehicles while reducing false alarms caused by other objects, animals, or lighting. Users can be alerted to iMD events for timely security. iMD events can be saved for future reference and easily searched for at a later time for forensic analysis and to assist in investigations.

**Video Content Analytics (VCA)** is the umbrella for line crossing and intrusion analytics. Line crossing identifies when a person or object crosses a defined line. Intrusion detects when a person or object breaches the boundaries of a defined area or enters a restricted area. VCA is available on most Luminys network cameras.

**LumiDesertPro** technology ensures rugged performance in high temperatures. Depending on the product model, LumiDesertPro allows operation in temperatures 60 °C (140 °F) or higher.

# Specifications

## Camera

| | |
|---|---|
| Luminys Series | Starter |
| Image Sensor | 1/2.9-in. 4MP Progressive CMOS |
| Maximum Resolution | 2688 × 1520 |
| Minimum Illumination | **Color:** 0.005 Lux at F1.6<br>**Black/White:** 0.0005 Lux at F1.6<br>0 Lux With IR Light On |
| Number of Illuminators | One (1) White-Light LED, One (1) IR LED, Supports LumiLuxSmart |
| Illuminator Control | Automatic, Manual |
| Maximum Illumination Distance | **IR:** Up to 39.6 m (130.0 ft)<br>**White Light:** Up to 39.6 m (130.0 ft) |
| Electronic Shutter Speed | Automatic, Manual<br>1/3 s to 1/100,000 s |
| Installation Angle | **Pan/Rotation:** 0° to 360°<br>**Tilt:** 0° to 78° |
| S/N Ratio | > 56 dB |

## Lens

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|---|---|
| Iris Type | Fixed |
| Lens Type | Motorized Vari-Focal |
| Focal Length | 2.7 mm to 13.5 mm |
| Maximum Aperature | F1.6 |
| Field of View | **Horizontal:** 97° to 28°<br>**Vertical:** 52° to 16°<br>**Diagonal:** 117° to 32° |
| Close Focus Range` | 0.8 m (2.6 ft) |
| DORI Distance | **Detect:** 63.8 m to 209.8 m (209.3 ft to 688.3 ft)<br>**Observe:** 25.3 m to 83.8 m (80.0 ft to 274.9 ft)<br>**Recognize:** 12.5 m to 41.7 m (41.0 ft to 136.8 ft)<br>**Identify:** 6.3 m to 20.8 m (20.7 ft to 68.2 ft) |

## Video

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|---|---|
| Compression | Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG (Sub Stream Only) |
| Standard Codec | Supported |
| Stream Capability | Two (2) |
| Resolution | 4MP (2688 x 1520), 4MP (2560 x 1440), 3MP (2304 x 1296), 1080p (1920 x 1080), 1.3MP (1280 x 960), 720P (1280 x 720), D1 (704 x 480), VGA (640 x 480), CIF (352 x 240) |
| Maximum Frame Rate | **Main Stream:** 2688 x 1520 at 30 fps<br>**Sub Stream 1:** D1 at 30 fps |
| Video Bit Rate | **H.264:** 32 kbps to 6,144 kbps<br>**H.265:** 12 kbps to 6,144 kbps |
| Bit Rate Control | CBR/VBR |
| Day/Night | Automatic (ICR), Color, Black and White |
| Light Balancing | Wide Dynamic Range (120 dB) |
| Noise Reduction | 3D NR |
| Image Angle | 0°/90°/180°/270° (Supports 90°/270° with 4MP Resolution and Lower) |

## Video

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|---|---|
| Mirror Rotation | Supported |
| Privacy Masking | Four (4) Zones |

## Analytics

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|---|---|
| Video Content Analytics | Line Crossing, Intrusion |
| Intelligent Motion Detection | Supported with Alarms for Vehicles and Humans |

## Audio

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|---|---|
| Compression | G.711a, G.711Mu, PCM |
| Interface | **Input:** Built-In Microphone |

## Alarm

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|---|---|
| Event | Line Crossing, Intrusion, Motion Detection, iMD, Audio Detection, Video Tampering, Disk Full, Disk Error, Voltage Detection, Security Exception |

## Network

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|---|---|
| Interface | RJ-45 (10/100 Base-T) |
| Protocol | IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP, RTMP, UPnP, Auto Registration, ICMP, IGMP, FTP, SFTP, RTP, RTCP, ARP, NTP, Multicast, NFS |
| Interoperability | ONVIF (Profile S/G/T), CGI |
| Browser | Chrome, Firefox, Edge |
| Client | LumiViewer, LumiViewer Mobile App |
| Storage | FTP, SFTP, Micro SD Card (Max. 256 GB) |

## Electrical

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|---|---|
| Power Supply | 12 VDC, PoE (802.3af) |
| Power Consumption | **12 VDC**<br>• **Maximum:** 7.8 W<br>• **Normal:** 2.3 W<br>**PoE**<br>• **Maximum:** 9.3 W<br>• **Normal:** 2.8 W |

## Construction

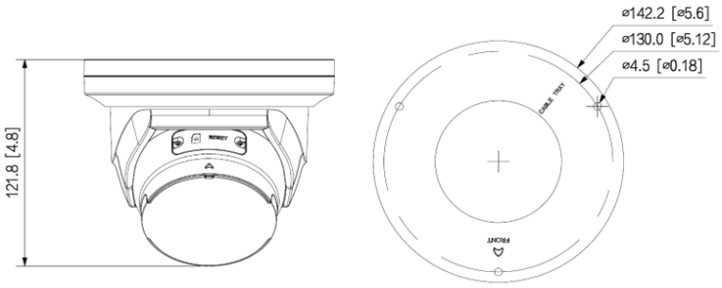
| | |
|---|---|
| Net Weight | 0.7 kg (1.5 lb) |
| Gross Weight | 1.0 kg (2.1 lb) |
| Operating Temperature | -30 to 60 °C (-22 to 140 °F)<br>< 95% RH (Non-Condensing) |
| Storage Temperature | -40 to 60 °C (-40 to 140 °F) |
| Protection Ratings | IP67 |
| Product Dimensions | Φ142.5 mm x 121.8mm (5.6 in. x 4.8 in.) |
| Packaging Dimensions (L x W x H) | 173.0 mm x 172.0 mm x 170.0 mm (6.8 in. x 6.8 in. x 6.7 in.) |
| Material | Metal |

## Certifications and Compliance

| | |
|---|---|
| Certifications | FCC, IC |
| Compliance | NDAA |

## Dimensional Drawing

mm [in.]




## Compatible Accessories

Below are the compatible accessories for this product. Not all accessories are included with purchase; some must be purchased separately. For each mount type, all listed SKUs are required to ensure proper installation.

Cross-check the accessories in this datasheet with the Luminys accessory selector tool, and verify that the mount size corresponds to the camera size. Failure to check may result in an incorrect or incomplete mount.

| Accessory Combination | SKU(s) | Description |
|---|---|---|
| Junction Box | LUM-J04<br>*(Must be Purchased Separately)* | Junction Box for Standard Size Turret Camera Models |
| Wall Mount | LUM-W04<br>*(Must be Purchased Separately)* | Wall Mount Bracket for Standard Size Turret Cameras |
| Horizontal Pole Mount* | LUM-W04<br>*(Must be Purchased Separately)* | Wall Mount Bracket for Standard Size Turret Cameras |
| | LUM-P02<br>*(Must be Purchased Separately)* | Pole Mount Bracket for Select Standard Size Bullet, Dome, and Turret Cameras |
| Vertical Pole Mount* | LUM-J04<br>*(Must be Purchased Separately)* | Junction Box for Standard Size Turret Camera Models |
| | LUM-P02<br>*(Must be Purchased Separately)* | Pole Mount Bracket for Select Standard Size Bullet, Dome, and Turret Cameras |
| Pendant Mount* | LUM-A02<br>*(Must be Purchased Separately)* | Adapter Plate for N5T/N5P Series Turret Cameras |
| | LUM-E02<br>*(Must be Purchased Separately)* | Ceiling Mount Bracket for Select Fisheye, Standard Size Turret, Multi-Directional, and PTZ Cameras |

*All SKUs listed must be used to complete the mounting combination. Verify the compatibility of the listed mounting components prior to ordering. Failure to use all SKUs listed and ensure compatibility may result in an incorrect or incomplete mount.