

# 4MP Fixed Turret Camera (2.8 mm)

N2T-4RA2



## Key Features

- 4MP Turret Housing
- 2.8 mm Fixed Lens
- Video Content Analytics: Line Crossing, Intrusion
- Intelligent Motion Detection (iMD)

## Certifications and Compliance

- NDAA Compliant
- FCC
- ONVIF

## Learn More



Learn more about this product's key technologies.



View all compatible accessories for this product.

## Overview

The **N2T-4RA2** 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.

## Key Technologies

**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.

**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.

# Specifications

## Camera

|                               |                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------|
| Luminys Series                | Starter                                                                                           |
| Image Sensor                  | 1/2.9-in. 4MP Progressive CMOS                                                                    |
| Maximum Resolution            | 2688 x 1520                                                                                       |
| Minimum Illumination          | <b>Color:</b> 0.005 Lux at F1.6<br><b>Black and White:</b> 0.0005 Lux at F1.6<br>0 Lux With IR On |
| Number of Illuminators        | Two (2) IR LEDs                                                                                   |
| Illuminator Control           | Automatic, Manual, Off                                                                            |
| Maximum Illumination Distance | Up to 30.5 m (100 ft.)                                                                            |
| Electronic Shutter Speed      | Automatic, Manual<br>1/3 s to 1/100,000 s                                                         |
| Installation Angle            | <b>Pan:</b> 0 to 360°<br><b>Tilt:</b> 0° to 78°<br><b>Rotation:</b> 0° to 360°                    |
| S/N Ratio                     | > 56 dB                                                                                           |

## Lens

|                   |                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Iris Type         | Fixed                                                                                                                                        |
| Lens Type         | Fixed                                                                                                                                        |
| Focal Length      | 2.8 mm                                                                                                                                       |
| Maximum Aperature | F1.6                                                                                                                                         |
| Field of View     | <b>Horizontal:</b> 95°<br><b>Vertical:</b> 52°<br><b>Diagonal:</b> 114°                                                                      |
| Close Focus Range | 1.1 m (3.6 ft)                                                                                                                               |
| DORI Distance     | <b>Detect:</b> 63.4 (208.0 ft)<br><b>Observe:</b> 25.1 m (82.4 ft)<br><b>Recognize:</b> 12.4 m (40.7 ft)<br><b>Identify:</b> 6.2 m (20.3 ft) |

## Video

|                    |                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression        | H.265, H.264, MJPEG (Sub Stream Only)                                                                                                                                                                                                                                                                                                   |
| Standard Codec     | Supported                                                                                                                                                                                                                                                                                                                               |
| Stream Capability  | Two (2) Streams                                                                                                                                                                                                                                                                                                                         |
| Resolution         | 4MP (2688 x 1520), 4MP (2560 x 1440),<br>3MP (2304 x 1296), 1080p (1920 x 1080),<br>1.3MP (1280 x 960), 720P (1280 x 720),<br>D1 (704 x 480), VGA (640 x 480), CIF<br>(352 x 240)                                                                                                                                                       |
| Maximum Frame Rate | <b>Main Stream:</b> 4MP (2688 x 1520) at 20<br>fps <b>OR</b> 4MP (2560 x 1440) at 30 fps<br><b>Sub Stream:</b> D1 (704 x 480) at 30 fps                                                                                                                                                                                                 |
| Video Bit Rate     | <b>H.264</b> <ul style="list-style-type: none"><li>• <b>Main Stream:</b> 3,072 kbps to 6,144<br/>kbps</li><li>• <b>Sub Stream:</b> 512 kbps to 2,048 kbps</li></ul> <b>H.265</b> <ul style="list-style-type: none"><li>• <b>Main Stream:</b> 1,280 kbps to 6,144<br/>kbps</li><li>• <b>Sub Stream:</b> 211 kbps to 1,280 kbps</li></ul> |
| Bit Rate Control   | CBR/VBR                                                                                                                                                                                                                                                                                                                                 |
| Day/Night          | Automatic, Color, Black and White                                                                                                                                                                                                                                                                                                       |
| Light Balancing    | Wide Dynamic Range (120 dB)                                                                                                                                                                                                                                                                                                             |
| Noise Reduction    | 3D NR                                                                                                                                                                                                                                                                                                                                   |
| Image Angle        | 0°, 90°, 180°, 270° (90° and 270°<br>Supported for 2688 x 1520 Resolution<br>and Lower)                                                                                                                                                                                                                                                 |

## Video

|                    |                |
|--------------------|----------------|
| Mirroring          | Supported      |
| Region of Interest | Four (4) Zones |

## Analytics

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

## Audio

|             |                                   |
|-------------|-----------------------------------|
| Compression | G.PCM, G.711a, G.711Mu            |
| Interface   | <b>Input:</b> Built-In Microphone |

## Alarm

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

## Network

|                  |                                                                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface        | RJ-45 (10/100 Base-T)                                                                                                                                                              |
| Protocol         | IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP,<br>HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP,<br>RTMP, UPnP, Auto Registration, ICMP,<br>IGMP, FTP, SFTP, RTP, RTCP, ARP, NTP,<br>Multicast, NFS |
| Interoperability | ONVIF (Profile S/G/T), CGI                                                                                                                                                         |
| Browser          | Chrome, Firefox, Edge*<br><small>*Must Have Internet Explorer Compatibility Mode On</small>                                                                                        |
| Client           | LumiViewer Desktop Client, LumiViewer<br>Mobile App                                                                                                                                |
| Storage          | FTP, SFTP, MicroSD Card (Max. 256 GB)                                                                                                                                              |

## Electrical

|                   |                                                                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply      | 12 VDC, PoE (802.3af)                                                                                                                                                                                                                    |
| Power Consumption | <b>12 VDC</b> <ul style="list-style-type: none"><li>• <b>Maximum:</b> 6.6 W</li><li>• <b>Average:</b> 2.4 W</li></ul> <b>PoE</b> <ul style="list-style-type: none"><li>• <b>Maximum:</b> 7.9 W</li><li>• <b>Average:</b> 3.0 W</li></ul> |

## Construction

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Net Weight                          | 0.52 kg (1.2 lb)                                                |
| Gross Weight                        | 0.68 kg (1.5 lb)                                                |
| Operating Temperature               | -40 °C to 60 °C (-40°F to 140°F)<br>< 95% RH                    |
| Storage Temperature                 | -40 °C to 60 °C (-40°F to 140°F)                                |
| Product Dimensions                  | Φ122.0 mm x 105.4 mm<br>(Φ4.8 in. x 4.2 in.)                    |
| Packaging Dimensions<br>(L x W x H) | 148.0 mm x 139.0 mm x 137.0 mm<br>(5.8 in. x 5.5 in. x 5.4 in.) |
| Protection Ratings                  | IP67                                                            |
| Material                            | Metal                                                           |

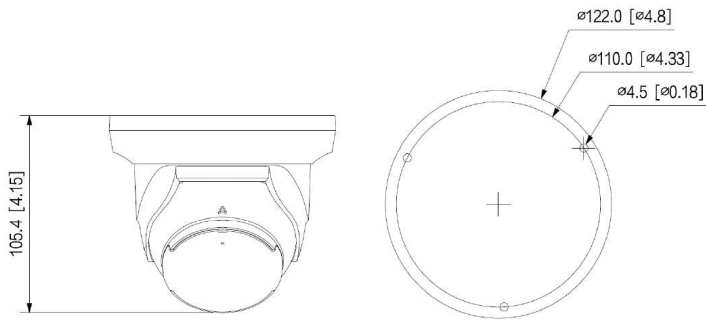
## Certifications and Compliance

|                |      |
|----------------|------|
| Certifications | FCC  |
| 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 Luminy's 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-J02<br>(Must be Purchased Separately) | Junction Box for Select Standard Size Dome and Mini Turret Camera Models |
| Wall Mount              | LUM-W01<br>(Must be Purchased Separately) | Wall Mount Bracket for Select N5D Dome and N5T/N3T Turret Cameras        |
| Horizontal Pole Mount** | LUM-A01<br>(Must be Purchased Separately) | Adapter Plate for Select Dome and Turret Cameras                         |
|                         | LUM-E01<br>(Must be Purchased Separately) | Ceiling Mount Bracket for Standard Dome, Dome Wedge, Mini Turret Cameras |
|                         | LUM-P01<br>(Must be Purchased Separately) | Pole Mount Bracket for Select N3 and N5 Series Cameras                   |
| Vertical Pole Mount**   | LUM-W01<br>(Must be Purchased Separately) | Wall Mount Bracket for Select N5D Dome and N5T/N3T Turret Cameras        |
|                         | LUM-P02<br>(Must be Purchased Separately) | Pole Mount Bracket for Select N3 and N5 Series Cameras                   |
| Pendant Mount**         | LUM-A01<br>(Must be Purchased Separately) | Adapter Plate for Select Dome and Turret Cameras                         |
|                         | LUM-E01<br>(Must be Purchased Separately) | Ceiling Mount Bracket for Standard Dome, Dome Wedge, Mini Turret Cameras |
| Corner Mount**          | LUM-A01<br>(Must be Purchased Separately) | Adapter Plate for Select Dome and Turret Cameras                         |
|                         | LUM-W02<br>(Must be Purchased Separately) | Wall Mount Bracket for Select N5D, N5T, N3T, P45, P54, and P55 Cameras   |
|                         | LUM-C01<br>(Must be Purchased Separately) | Corner Mount Bracket for N3/N5/N9/P4/P5 Series 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.