

# 8MP Vari-focal Dome Camera

N2D-8RBV



## Key Features

- 8MP Dome Housing
- 2.7 mm to 13.5 mm Motorized Lens
- iMD

## Certifications and Compliance

- NDAA Compliant
- FCC
- UL
- ONVIF

## Learn More



Learn more about this product's key technologies.



View all compatible accessories for this product.

## Overview

The **N2D-8RBV** is part of Luminys's N2 Mainstream series. N2 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 features a high-grade motorized lens and Intelligent Motion Detection (iMD). The lens provides clear images and video with a maximum resolution of 8MP. iMD provides vital motion detection alerts for proactive security. With its smart design, this camera is an ideal entry-level camera for small to mid-sized applications.

## Key Technologies

**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                | N2 Series (Mainstream)                                                                           |
| Image Sensor                  | 1/2.7-in. 8MP Progressive CMOS                                                                   |
| Maximum Resolution            | 3840 x 2160                                                                                      |
| Minimum Illumination          | <b>Color:</b> 0.2 lux at F1.6<br><b>Black and White:</b> < 0.005 Lux at F1.6<br>0 Lux With IR On |
| Number of Illuminators        | Two (2) IR LEDs                                                                                  |
| Illuminator Control           | Automatic, Manual                                                                                |
| Maximum Illumination Distance | Up to 30.0 m (98.4 ft)                                                                           |
| Electronic Shutter Speed      | Automatic, Manual<br>1/30 s to 1/32,000 s                                                        |
| Installation Angle            | <b>Pan:</b> 0° to 353°<br><b>Tilt:</b> 0° to 75°<br><b>Rotation:</b> 0° to 350°                  |
| S/N Ratio                     | > 60 dB                                                                                          |

## Lens

|                   |                                                                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Iris Type         | Vari-focal                                                                                                                                                                                                                                                                                                                                 |
| Lens Type         | Vari-focal                                                                                                                                                                                                                                                                                                                                 |
| Focal Length      | 2.7 mm to 13.5 mm                                                                                                                                                                                                                                                                                                                          |
| Maximum Aperature | F1.6 to F3.1                                                                                                                                                                                                                                                                                                                               |
| Field of View     | <b>Horizontal:</b> 111° to 32°<br><b>Vertical:</b> 57° to 18°<br><b>Diagonal:</b> 136° to 37°                                                                                                                                                                                                                                              |
| Close Focus Range | 1.0 m (3.3 ft)                                                                                                                                                                                                                                                                                                                             |
| DORI Distance     | <b>Wide</b><br><b>Detect:</b> 80.3 m (263.5 ft)<br><b>Observe:</b> 31.9 m (104.7 ft)<br><b>Recognize:</b> 16.1 m (52.8 ft)<br><b>Identify:</b> 10.4 m (34.1 ft)<br><b>Telescope</b><br><b>Detect:</b> 259.1 m (850.1 ft)<br><b>Observe:</b> 102.8 m (337.3 ft)<br><b>Recognize:</b> 51.8 m (169.9 ft)<br><b>Identify:</b> 25.9 m (85.0 ft) |

## Video

|                    |                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------|
| Compression        | Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG (Sub Stream Only)                            |
| Stream Capability  | Three (3) Streams                                                                                              |
| Resolution         | 3840 x 2160, 2880 x 1616, 2688 x 1512, 2560 x 1440, 1920 x 1080, 1600 x 900, 1360 x 765, 1280 x 720, 640 x 360 |
| Maximum Frame Rate | 8MP (3840 x 2160) at 15 fps                                                                                    |
| Video Bit Rate     | 1 Mbps to 40 Mbps                                                                                              |
| Bit Rate Control   | CBR/VBR                                                                                                        |
| Day/Night          | Auto, Day, Night, ScheduleSync with DI                                                                         |
| Light Balancing    | Wide Dynamic Range (120 dB)                                                                                    |
| Noise Reduction    | 3DNR                                                                                                           |
| Image Rotation     | 0°, 90°, 180°, 270°                                                                                            |
| Mirroring          | Supported                                                                                                      |
| Defog              | Supported                                                                                                      |
| Region of Interest | Three (3) Zones                                                                                                |
| Privacy Masking    | Four (4) Zones                                                                                                 |

## Analytics

|                              |                                               |
|------------------------------|-----------------------------------------------|
| Intelligent Motion Detection | Supported with Alarms for Vehicles and Humans |
| Object Monitoring            | Supported                                     |

## Audio

|             |                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------|
| Compression | G.711                                                                                                                      |
| Interface   | <b>Input:</b> Built-In Microphone and One (1) 3.5 mm Stereo Jack Input<br><b>Output:</b> One (1) 3.5 mm Stereo Jack Output |

## Alarm

|           |                                                                                                                                |
|-----------|--------------------------------------------------------------------------------------------------------------------------------|
| Event     | Tampering Detection, Motion Detection, Intrusion, Line Crossing, Loitering, Unattended Object, Missing Object, Audio Detection |
| Interface | <b>Input:</b> One (1) Channel<br><b>Output:</b> One (1) Channel                                                                |

## Network

|                  |                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface        | RJ-45 (10/100 Base-T)                                                                                                                                                             |
| Protocol         | 802.1x, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPSICMP, IGMPV3, IPV4, IPV6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP |
| Interoperability | ONVIF (Profile S/G/T)                                                                                                                                                             |
| Browser          | Chrome, Firefox, Edge                                                                                                                                                             |
| Client           | LumiCenter                                                                                                                                                                        |
| Storage          | MicroSD Card (Max. 1 TB), SDHC Card, SDXC Card                                                                                                                                    |

## Electrical

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Power Supply      | 12 VDC, PoE (802.3af)                                     |
| Power Consumption | <b>12 VDC:</b> 6.6 W (IR On)<br><b>PoE:</b> 6.5 W (IR On) |

## Construction

|                       |                                                |
|-----------------------|------------------------------------------------|
| Net Weight            | 0.8 kg (1.7 lb)                                |
| Operating Temperature | -30 °C to 60 °C (-22 °F to 140 °F)<br>< 90% RH |
| Protection Ratings    | IP66, IK10                                     |
| Dimensions            | Φ133.7 mm x 103.8 mm<br>(Φ5.3 in. x 4.1 in.)   |
| Material              | Metal and Polycarbonate                        |

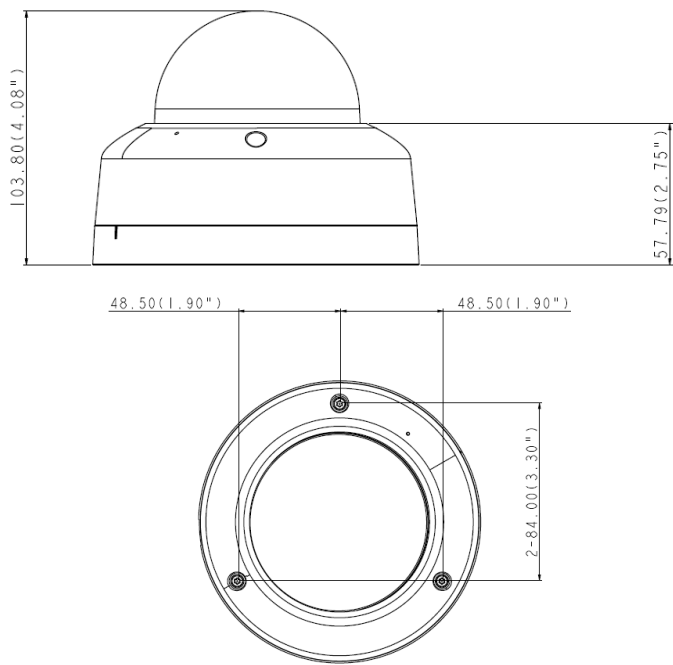
## Certifications and Compliance

|                |         |
|----------------|---------|
| Certifications | FCC, UL |
| Compliance     | NDA     |



## Dimensional Drawing

mm [in.]



## Compatible Accessories

Below are the compatible accessories combinations for this product. All SKUs listed must be purchased to complete an accessory combination. For more information and to see mounting combinations, please view our accessory selector at <https://www.luminyscorp.com/products/accessories>.

| Accessory Combination | SKU(s)      | Description        |
|-----------------------|-------------|--------------------|
| Junction Box          | N2D/N2T-J01 | Junction Box       |
| Wall Mount            | N2D/N2T-W01 | Wall Mount Bracket |