

# 8MP Dual-Sensor Panoramic Camera

N9P-8RB2



## Key Features

- 8MP Panoramic Housing
- 2.8 mm Fixed Lens
- Intelligent Motion Detection (iMD)

## Certifications and Compliance

- NDAA Compliant
- FCC
- UL

## Learn More



Learn more about this product's key technologies.

View all compatible accessories for this product.

## Overview

The **N9P-8RB2** is part of Luminys's N9 Specialty series. N9 series devices are designed to improve operations and surpass today's highest security standards, providing increased situational awareness and comprehensive security.

## 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                | N9 Series (Specialty)                                                                                        |
| Image Sensor                  | Two (2) 1/2.7-in. 8MP Progressive CMOS                                                                       |
| Maximum Resolution            | 4864 x 1632                                                                                                  |
| Minimum Illumination          | <b>Color:</b> 0.018 Lux at F1.2<br><b>Black and White:</b> 0.01 Lux at F1.2<br>0 Lux With IR Illumination On |
| Number of Illuminators        | Eight (8) IR LEDs                                                                                            |
| Illuminator Control           | Automatic, Manual                                                                                            |
| Maximum Illumination Distance | Up to 20.0 m (65.6 ft)                                                                                       |
| Electronic Shutter Speed      | Automatic, Manual<br>1/30 s to 1/32,000 s                                                                    |
| Installation Angle            | <b>Tilt:</b> 0° to 20°                                                                                       |
| S/N Ratio                     | > 58 dB                                                                                                      |

## Lens

|                   |                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Iris Type         | Fixed                                                                                                                                          |
| Lens Type         | Fixed                                                                                                                                          |
| Focal Length      | 2.8 mm                                                                                                                                         |
| Maximum Aperature | F1.2                                                                                                                                           |
| Field of View     | <b>Horizontal:</b> 180°<br><b>Vertical:</b> 50°<br><b>Diagonal:</b> 180°                                                                       |
| Close Focus Range | 1.0 m (3.3 ft)                                                                                                                                 |
| DORI Distance     | <b>Detect:</b> 58.1 m (190.6 ft)<br><b>Observe:</b> 23.2 m (76.1 ft)<br><b>Recognize:</b> 11.6 m (38.1 ft)<br><b>Identify:</b> 5.7 m (18.7 ft) |

## Video

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Compression        | H.265, H.264, MJPEG (Sub Stream Only)            |
| Stream Capability  | Three (3) Streams                                |
| Resolution         | 4864 x 1632, 3648 x 1232, 2432 x 816, 1216 x 416 |
| Maximum Frame Rate | 8MP (4864 x 1632) at 30 FPS                      |
| Video Bit Rate     | 20 Kbps to 80 Mbps                               |
| Bit Rate Control   | CBR/VBR                                          |
| Day/Night          | BLC, HLC, HLM                                    |
| Light Balancing    | Wide Dynamic Range (120 dB)                      |
| Noise Reduction    | 3D NR                                            |
| Defog              | Supported                                        |
| Region of Interest | Three (3) Zones                                  |
| Privacy Masking    | Five (5) Zones                                   |

## Analytics

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

## Audio

|             |                                   |
|-------------|-----------------------------------|
| Compression | G.711, G.726, MPEG-2 AAC-LC       |
| Interface   | <b>Input:</b> Built-in Microphone |

## Alarm

|       |                                                                                                                                                                                                                                                                        |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Event | Audio Detection, Camera Tampering Detection, Cybersecurity Events (Brute Force Attack Event, Cyberattack Event, Quarantine Event), Manual Trigger, Motion Detection, Periodical Trigger, Recording Notification, SD Card Life Expectancy, Shock Detection, System Boot |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Network

|                  |                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface        | RJ-45 (10/100 Base-T)                                                                                                                                                                       |
| Protocol         | IEEE 802.1x, ARP, Bonjour, CIFS/ SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, 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                                                                                                                                                                       |
| Storage          | MicroSD Card (Max. 1 TB), SDHC Card, SDXC Card                                                                                                                                              |

## Electrical

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| Power Supply      | IEEE 802.3at PoE Class 4                                         |
| Power Consumption | <b>Maximum (IR On):</b> 20 W<br><b>Standard (IR Off):</b> 13.5 W |

## Construction

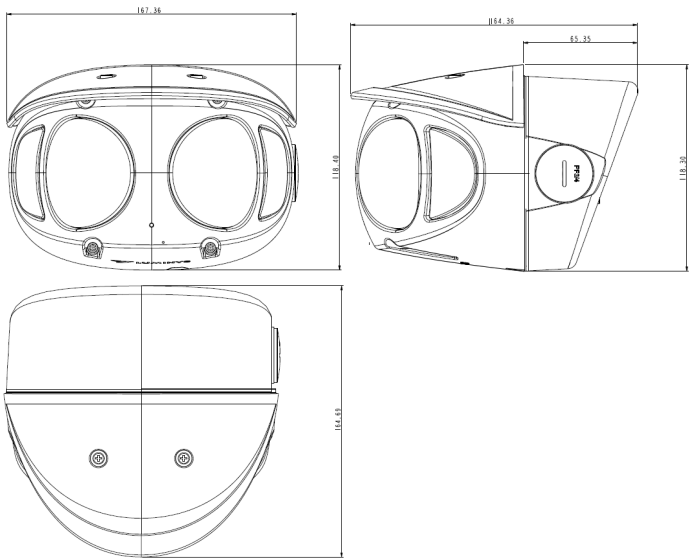
|                       |                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Net Weight            | 1.2 kg (2.6 lb)                                                                                                                    |
| Operating Temperature | <b>IR On:</b> -40 °C to 50 °C (-22 °F to 122 °F)<br><b>IR Off:</b> -40 °C to 55 °C (-22 °F to 131 °F)<br>< 98% RH (Non-Condensing) |
| Protection Ratings    | IP66, IK10                                                                                                                         |
| Dimensions            | 165.0 mm × 112.0 mm × 119.0 mm<br>(6.5 in. × 4.4 in. × 4.7 in.)                                                                    |
| Material              | Metal                                                                                                                              |

## 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        |
|-----------------------|---------|--------------------|
| Wall Mount            | N9P-W01 | Wall Mount Bracket |