

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	Color: 0.2 lux at F1.6 Black and White: < 0.005 Lux at F1.6 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 1/30 s to 1/32,000 s
Installation Angle	Pan: 0° to 353° Tilt: 0° to 75° Rotation: 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	Horizontal: 111° to 32° Vertical: 57° to 18° Diagonal: 136° to 37°
Close Focus Range	1.0 m (3.3 ft)
DORI Distance	Wide Detect: 80.3 m (263.5 ft) Observe: 31.9 m (104.7 ft) Recognize: 16.1 m (52.8 ft) Identify: 10.4 m (34.1 ft) Telescope Detect: 259.1 m (850.1 ft) Observe: 102.8 m (337.3 ft) Recognize: 51.8 m (169.9 ft) Identify: 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	Input: Built-In Microphone and One (1) 3.5 mm Stereo Jack Input Output: 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	Input: One (1) Channel Output: 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	12 VDC: 6.6 W (IR On) PoE: 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) < 90% RH
Protection Ratings	IP66, IK10
Dimensions	Φ133.7 mm x 103.8 mm (Φ5.3 in. x 4.1 in.)
Material	Metal and Polycarbonate

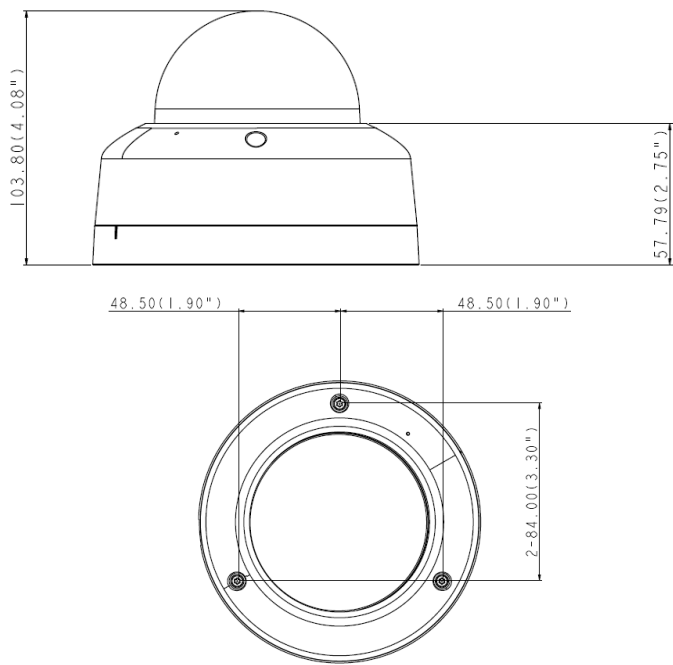
Certifications and Compliance

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