

4MP Network LumiNightKing Bullet Camera (2.8 mm)

N4B-4VA2



Key Features

- 4MP Bullet Housing
- 2.8 mm Lens
- AI-ISP
- White-Light LEDs
- Video Content Analytics: Line Crossing, Intrusion
- iMD

Certifications and Compliance

- NDAA Compliant
- FCC
- IC
- ONVIF

Learn More



Learn more about this product's key technologies.

View all compatible accessories for this product.

Overview

The **N4B-4VA2** is part of Luminys's N4 Mainstream series of security devices. N4 Mainstream series devices are designed with a suite of advanced LumiTechnologies to meet the needs of today's evolving security market.

Equipped with LumiNightKing technology, this camera provides flexible and reliable full-color video in near-dark conditions. It supports covert monitoring with no LEDs or 24/7 white-light LEDs for deterrent monitoring. This camera is also designed with LumiPolarPro and LumiDesertPro technologies to withstand extreme environments. It has both 12 VDC and PoE (Power over Ethernet) for flexible installation.

LumiNightKing cameras are built for mission-critical surveillance in challenging environments such as industrial facilities, transportation hubs, night clubs, and outdoor perimeters. Their dual-purpose capability makes the series ideal for security applications that want a discrete camera to preserve the ambiance of a scene and for scenes that need a visible presence from continuous white-light LEDs throughout the night.

Key Technologies

LumiNightKing technology provides advanced, versatile low-light performance. Cameras with this technology combine a large pixel size sensor, an advanced AI-ISP, and ultra-wide F1.0 to capture images in near-total darkness without relying on IR or visible white-light LEDs. LumiNightKing cameras also have white-light LEDs that can be programmed to remain on throughout the night for deterrence and lighting.

LumiPolarPro and **LumiDesertPro** technology ensures rugged all-weather performance. LumiPolarPro enables dependable performance in extreme cold in temperatures as low as -40 °C (-40 °F). LumiDesertPro allows operation in high temperatures up to 60 °C (140 °F).

Specifications

Camera

Luminys Series	N4 Series (Mainstream)
Image Sensor	1/1.8-in. 4MP Progressive CMOS
Maximum Resolution	2688 x 1520
Minimum Illumination	Color: 0.0006 lux at F1.0
Number of Illuminators	White Light: Four (4)
Illuminator Control	Automatic, Manual
Maximum Illumination Distance	45.7 m (150.0 ft)
Electronic Shutter Speed	Automatic, Manual 1/3 s to 1/100,000 s
Installation Angle	Pan: 0° to 360° Tilt: 0° to 90° Rotation: 0° to 360°
S/N Ratio	> 50 dB

Lens

Iris Type	Fixed
Lens Type	Fixed
Focal Length	2.8 mm
Maximum Aperature	F1.0
Field of View	Horizontal: 112° Vertical: 60° Diagonal: 134°
Close Focus Range	2.0 m (6.6 ft)
DORI Distance	Detect: 57.7 m (189.3 ft) Observe: 23.0 m (75.5 ft) Recognize: 11.4 m (37.4 ft) Identify: 5.6 m (18.4 ft)

Video

Compression	Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG (Sub Stream Only)
Stream Capability	Two (2) Streams
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: 4MP at 30 fps Sub Stream 1: D1 at 30 fps
Video Bit Rate	H.264: 3 to 6,144 kbps H.265: 3 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°
Mirror Image	Supported
Privacy Masking	Four (4) Zones

Analytics

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

Audio

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

Alarm

Event	Line Crossing, Intrusion, Motion Detection, iMD, Audio Detection, Video Tampering, Disk Full, Disk Error, Offline, IP Conflict, Voltage Detection, Security Warning
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Network

Interface	RJ-45 (10/100 Base-T)
Protocol	IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP, RTMP, PPPoE, UPnP, SNMP, Bonjour, QoS, 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, NAS, Micro SD Card (Max. 256 GB)

Electrical

Power Supply	12 VDC/PoE (802.3af)
Power Consumption	12 VDC <ul style="list-style-type: none">• Maximum: 5.5 W• Normal: 2.0 W PoE <ul style="list-style-type: none">• Maximum: 7.2 W• Normal: 3.0 W

Construction

Net Weight	0.6 kg (1.3 lb)
Gross Weight	0.8 kg (1.8 lb)
Operating Temperature	-40 to 60 °C (-40 to 140 °F) < 95% RH (Non-Condensing)
Storage Temperature	-40 to 60 °C (-40 to 140 °F)
Protection Ratings	IP67
Dimensions (L x W x H)	220.1 mm x 87.4 mm x 78.8 mm (8.7 in. x 3.4 in. x 3.1 in.)
Material	Metal

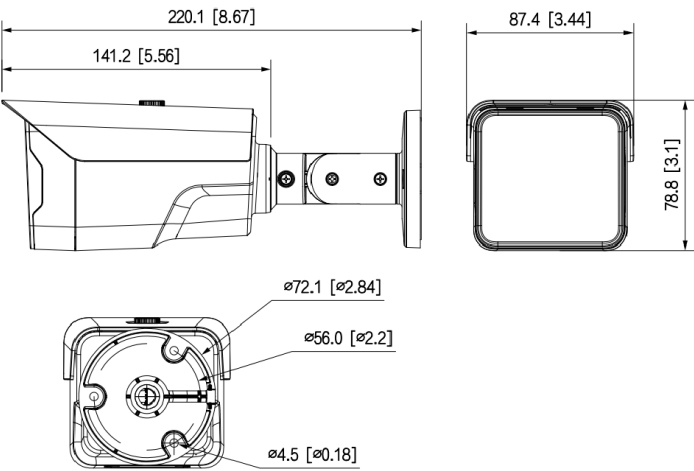
Certifications and Compliance

Certifications	FCC, IC
Compliance	NDAA



Dimensional Drawing

mm [in.]



Optional Accessories

Below are the optional accessories 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*	N5B-J01	Junction Box
	N5B-A01	Water Joint
Vertical Pole Mount*	N5B-J01	Junction Box
	N5B-A01	Water Joint
	N3/N5-P01	Pole Mount Bracket
Corner Mount*	N5B-J01	Junction Box
	N5B-A01	Water Joint
	C01	Corner Mount Bracket

*All SKUs must be purchased to complete the mounting combination. Failure to purchase all SKUs listed will result in an incomplete mount.