

# 4MP Network LumiNightKing Turret Camera (2.8 mm)

N4T-4VA2



## Key Features

- 4MP Turret 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 **N4T-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.

**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.

**LumiPolarPro** and **LumiDesertPro** technology ensures rugged all-weather performance. LumiPolarPro enables dependable performance in temperatures as low as -40 °C (-40 °F). LumiDesertPro allows operation in 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	<b>Color:</b> 0.0006 lux at F1.0
Number of Illuminators	<b>White Light:</b> Two (2)
Illuminator Control	Automatic, Manual
Maximum Illumination Distance	100.0 ft (30.48 m)
Electronic Shutter Speed	Automatic, Manual 1/3 s to 1/100,000 s
Installation Angle	<b>Pan:</b> 0° to 360° <b>Tilt:</b> 0° to 78° <b>Rotation:</b> 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	<b>Horizontal:</b> 112° <b>Vertical:</b> 60° <b>Diagonal:</b> 134°
Close Focus Range	2.0 m (6.6 ft)
DORI Distance	<b>Detect:</b> 46.9 m (153.9 ft) <b>Observe:</b> 17.9 m (58.7 ft) <b>Recognize:</b> 9.3 m (30.5 ft) <b>Identify:</b> 4.5 m (14.8 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	<b>Main Stream:</b> 4MP at 30 fps <b>Sub Stream 1:</b> D1 at 30 fps
Video Bit Rate	<b>H.264:</b> 3 to 6144 kbps <b>H.265:</b> 3 to 6144 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° (Supports 90°/270° with 4MP Resolution and Lower)
Mirror Image	Supported
Region of Interest (ROI)	Four (4) Zones
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
Sampling Rates	<b>PCM:</b> 8,000 Hz, 16,000 Hz, 32,000 Hz <b>G.711A:</b> 8,000 Hz <b>G.711Mu:</b> 8,000 Hz
Interface	<b>Input:</b> 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	<b>12 VDC</b> <ul style="list-style-type: none"><li>• <b>Maximum:</b> 5.3 W</li><li>• <b>Normal:</b> 2.0 W</li></ul> <b>PoE</b> <ul style="list-style-type: none"><li>• <b>Maximum:</b> 6.4 W</li><li>• <b>Normal:</b> 2.5 W</li></ul>

## Construction

Net Weight	0.5 kg (1.2 lb)
Gross Weight	0.7 kg (1.6 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	Φ122.0 mm x 111.8 mm (Φ4.8 in. x 4.4 in.)
Material	Metal

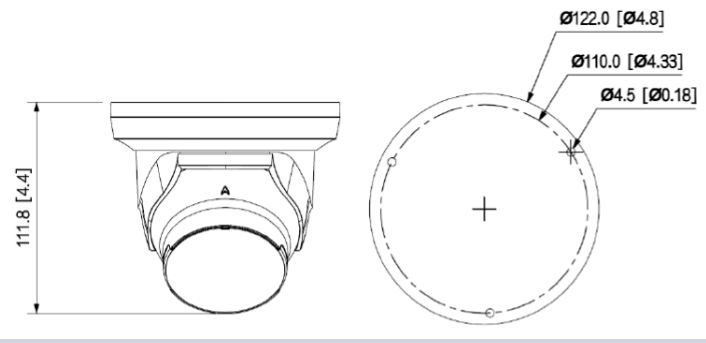
## Certifications and Compliance

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	N5D/N5T/N3T-J01	Junction Box
Wall Mount (Option 1)	N5D/N5T/N3T-W01	Wall Mount Bracket
Wall Mount (Option 2)*	N5D/N5T/N3T-A01	Adapter Plate
	N5D/N5T/N3T/P45/P5-W01	Wall Mount Bracket
Pole Mount (Option 1)*	N5D/N5T/N3T-W01	Wall Mount Bracket
	N3/N5-P01	Pole Mount Bracket
	N5D/N5T/N3T-A01	Adapter Plate
Pole Mount (Option 2)*	N5D/N5T/N3T/P45/PS-W01	Wall Mount Bracket
	P01	Pole Mount Bracket
Pendant Mount*	N5D/N5T/N3T-A01	Adapter Plate
	N5D/N5T/N3T/N5P-E01	Ceiling Mount Bracket
Corner Mount*	N5D/N5T/N3T-A01	Adapter Plate
	N5D/N5T/N3T/P45/P5-W01	Wall Mount Bracket
	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.