

8MP Network LumiDeterrent Turret Camera (Vari-Focal)

N5T-8DAV



Key Features

- 8MP Turret Housing
- 2.7 mm to 13.5 mm Motorized Lens
- LumiLuxSmart — IR and White-Light LEDs
- LumiDeterrent With Red/Blue Lights and Built-In Speaker
- Video Content Analytics+¹ Line Crossing, Intrusion, Loitering Detection
- iMD, LumiSearch

Certifications and Compliance

- NDAA Compliant
- FCC
- IC

Learn More



Learn more about this product's key technologies.

View all compatible accessories for this product.

Overview

The **N5T-8DAV** is part of Luminys's N5 mainstream series of security devices. N5 mainstream series devices are designed with a suite of advanced LumiTechnologies to meet the needs of today's evolving security market.

Key Technologies

LumiDeterrent technology integrates full-color video, active deterrence, and AI algorithms to provide 24/7 security. This technology can accurately identify potential risks and prevent incidents with red and blue light alarms and enhanced sound alarms.

LumiLuxSmart technology allows cameras to capture clear, full-color video day or night. When motion is detected, LumiLuxSmart cameras switch from IR LEDs to white-light LEDs to illuminate a scene, then switch back to IR mode once motion has ceased to prevent light pollution and energy inefficiency.

LumiSearch technology lets you quickly find, track, and identify targets in security footage using a reference image. The LumiSearch+ algorithm analyzes human body shape, clothing color, and other characteristics to accurately pinpoint where a target has appeared in footage captured by any LumiSearch+-enabled camera and NVR.

Specifications

Camera	
Luminys Series	N5 Series (Mainstream)
Image Sensor	1/2.8-in. 8MP Progressive CMOS
Maximum Resolution	3840 × 2160
Minimum Illumination	Color: 0.002 Lux at F1.0 Black/White: 0.0002 Lux at F1.0 0 Lux With IR Light On
Number of Illuminators	IR: Two (2) White Light: Two (2)
Illuminator Control	Automatic, Manual
Maximum Illumination Distance	IR: Up to 50.0 m (164.0 ft) White Light: Up to 40.0 m (131.0 ft)
Electronic Shutter Speed	Automatic, Manual 1/3 s to 1/100,000 s
Installation Angle	Pan: 0° Tilt: 0° to 90° Rotation: 0° to 360°
S/N Ratio	> 56 dB

Lens	
Iris Type	Fixed
Lens Type	Motorized Vari-Focal
Focal Length	2.7 to 13.5 mm
Maximum Aperature	F1.0
Field of View	Horizontal: 108° to 34° Vertical: 56° to 19° Diagonal: 130° to 39°
Close Focus Range	1.5 m (4.9 ft)
DORI Distance	Detect: 89.9 m to 257.4 m (295.0 ft to 844.5 ft) Observe: 36.0 m to 103.0 m (118.1 ft to 377.9 ft) Recognize: 18.0 m to 51.5 m (59.1 ft to 169.0 ft) Identify: 9.0 m to 25.7 m (29.5 ft to 84.3 ft)

Video	
Compression	Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG (Substream Only)
Stream Capability	Three (3) Streams
Resolution	3840 × 2160 (8MP), 3072 × 2048 (6MP), 3072 × 1728 (5MP), 2592 × 1944 (5MP), 2688 × 1520 (4MP), 2560 × 1440 (4MP), 2304 × 1296 (3MP), 2048 × 1536 (3MP), 1920 × 1080 (1080p), 1280 × 960 (1.3MP), 1280 × 720 (720p), 704 × 480 (D1), VGA 640 × 480 (480p), 352 × 240 (CIF)
Maximum Frame Rate	Mainstream: 3840 × 2160 at 30 fps Substream 1: 704 × 480 at 30 fps Substream 2: 1920 × 1080 at 30 fps
Video Bit Rate	H.264: 32 to 16384 kbps H.265: 12 to 16384 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

Video	
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 4MP Resolution and Lower)
Mirroring	Supported
Region of Interest	Four (4) Zones
Privacy Masking	Eight (8) Zones

Analytics	
Video Content Analytics+1	Line Crossing, Intrusion, Loitering Detection
Intelligent Motion Detection	Supported With Alarms for Vehicles and Humans
LumiSearch	Supported When Used With LumiSearch-Enabled NVRs

Audio	
Compression	PCM, G.711a, G.711Mu, AAC
Interface	Input: Built-in Dual Microphones and One (1) RCA Port Output: Built-in Speaker and One (1) RCA Port

Alarm	
Event	No SD Card, Disk Full, SD Card Error, Offline, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Voltage Detection, Security Exception, Line Crossing, Intrusion, Scene Changing, Audio Detection, External Alarm, iMD
Interface	Input: One (1) Channel (3V-5VDC, 5 mA) Output: One (1) Channel (12 VDC, 300 mA)

Network	
Protocol	RJ-45 (10/100 Base-T)
Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP , RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x
Interoperability	ONVIF (Profile S/G/T), API, SDK
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: 10.3 WNormal: 4.5 W PoE <ul style="list-style-type: none">Maximum: 12.1 WNormal: 5.8 W



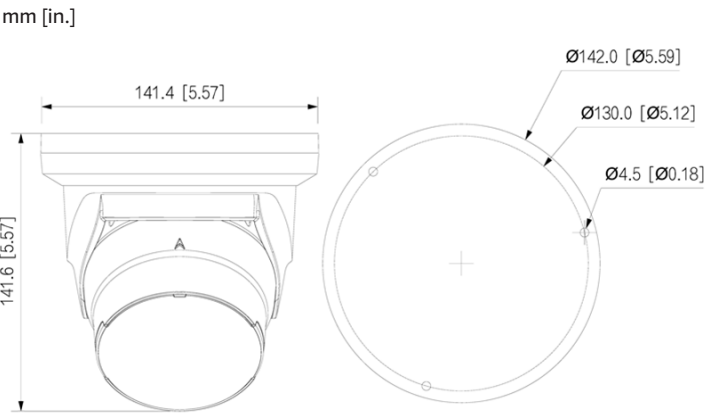
Construction

Net Weight	0.9 kg (2.0 lb)
Gross Weight	1.2 kg (2.5 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	141.6 mm × Ø 142.0 mm (5.6 in. × Ø 5.6 in.)
Material	Metal

Certifications and Compliance

Certifications	FCC, IC
Compliance	NDAA

Dimensional Drawing



Compatible Accessories

Below are the compatible accessories for this product. Not all accessories are included with purchase; some must be purchased separately. For each mount type, all listed SKUs are required to ensure proper installation.

Cross-check the accessories in this datasheet with the Luminy's accessory selector tool, and verify that the mount size corresponds to the camera size. Failure to check may result in an incorrect or incomplete mount.

Accessory Combination	SKU(s)	Description
Junction Box	N5T/N5P-J01 <i>(Must be Purchased Separately)</i>	Junction Box for Standard Size Turret Camera Models
Wall Mount	N5T/N5P-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for N5T/N5P Cameras
Horizontal Pole Mount*	N5T/N5P-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for N5T/N5P Cameras
	N3/N5-P01 <i>(Must be Purchased Separately)</i>	Pole Mount Bracket for N5B/N5T/N3T/N5D/N5P Cameras
Vertical Pole Mount*	N5T/N5P-J01 <i>(Must be Purchased Separately)</i>	Junction Box for Standard Size Turret Camera Models
	N3/N5-P01 <i>(Must be Purchased Separately)</i>	Pole Mount Bracket for N5B/N5T/N3T/N5D/N5P Cameras
Pendant Mount*	N5T/N5P-A02 <i>(Must be Purchased Separately)</i>	Adapter Plate for N5D/N5T/N3T Cameras
	N9F/P4/P5-E01 <i>(Must be Purchased Separately)</i>	Ceiling Mount Bracket for N5D/N5T/N3T/N5P Cameras

*All SKUs listed must be used to complete the mounting combination. Verify the compatibility of the listed mounting components prior to ordering. Failure to use all SKUs listed and ensure compatibility may result in an incorrect or incomplete mount.

1. This camera does not support Parking Detection.

