

**Engineered for Color.
Designed for Clarity.
Powered by Intelligence.**



LumiColor



LumiDeterrent



LumiLuxSmart



LumiLightBand



LumiNightKing

LIGHTING A WAY TO MORE FLEXIBILITY

Industry's Most Extensive Dual-Functioning Camera Portfolio

The Luminy's fixed camera portfolio features five unique technologies designed to help you select the right camera for any application. LumiLuxSmart delivers advanced analytics along with adaptive IR and white light for seamless day-to-night coverage.

LumiDeterrent adds built in warning lights and audio for active deterrence. LumiLightBand enhances visibility with a vibrant front-facing LED strip offering eight color options that can remain steady, wave, or flash on a preset schedule or event trigger.

For discreet surveillance, LumiNightKing leverages advanced sensors and AI imaging to capture clear, true-to-life detail in near-darkness, while LumiColor ensures vivid full-color clarity even in extreme lowlight conditions. Together, these technologies give you the flexibility to prioritize deterrence, visibility, discretion, or uncompromising detail—whatever your security challenge demands.



LumiLuxSmart

Captures full-color when motion is detected, then switches back to IR when motion stops.



LumiLightBand

Colorful light strip is activated by schedule or an event.



LumiNightKing

Made for Color. Specialized for Covertness or Deterrence.



LumiDeterrent

Integrates full-color images, flashing lights, and verbal and sound alarms.



LumiColor

Captures full-color video from dusk to dawn, acting as a deterrent.

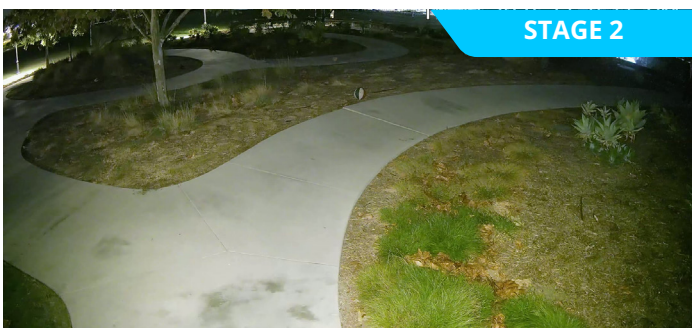
Dual-illumination



Luminy delivers the industry's most extensive dual-functioning camera lineup, featuring the LumiLuxSmart N3-L and N5-L, LumiDeterrent N5-D, and LumiLightBand N3-B. These series offer three versatile modes—infrared, dusk-to-dawn white-light LEDs, and motion-activated dual-illumination—with remotely adjustable LED brightness to minimize light pollution and optimize visibility.



- When the camera can no longer render clear color video due to low ambient lighting, the infrared illuminators turn on to produce high-quality black-and-white images in scenes with no motion.



- When motion is detected, the white-light LEDs automatically turn on to add ambient lighting and capture the scene in full color.
- When motion is no longer detected, the camera automatically turns off the white-light LEDs and reactivates IR illumination, reducing light pollution.

Low-light Technology Feature Matrix

Luminys offers a comprehensive range of low-light camera technologies, delivering full-color performance in near-dark conditions. Each camera series is tailored with distinct features to enhance visibility and efficiency, providing flexible solutions for a wide range of security applications. For added flexibility, the brightness intensity of Luminys cameras with white-light LEDs can be remotely adjusted to minimize light pollution and optimize visibility.

Camera Technology	Technical Description	IR Mode	White-light LED Mode	Dual-illumination: IR and White-light LEDs	Unique Features
LumiLuxSmart: N5-L Mainstream Series N3-L Starter Series*	Cameras with LumiLuxSmart technology feature dual-illumination for full-color video down to 0.0005 to 0.0008 lux (Mainstream Series) and 0.005 to 0.007 lux (Starter Series).	●	●	●	LumiPower for extended distance
LumiLightBand: N3-B Starter Series	Cameras with the colorful proactive LumiLightBand technology offer full-color video down to 0.008 lux at F1.6.	●	●	●	Colorful band of deterrent LEDs
LumiNightKing: N4 Mainstream Series	Cameras with LumiNightKing technology feature a powerful AI-ISP chipset, enhanced pixel size 2.9µm, and a large F1.0 aperture lens to capture more available light for full-color video down to 0.0003 lux at F1.0.		●		AI-ISP for covert mode
LumiDeterrent: N5-D Mainstream Series	Cameras with LumiDeterrent technology feature a large aperture lens to capture more available light and deterrent lights that work in tandem with dual-illumination for full-color video down to 0.001 - 0.002 lux at F1.0.	●	●	●	Flashing lights and an audio alarm
LumiColor: N5-C Mainstream Series	Cameras with LumiColor technology feature a large aperture lens to capture more available light and integrated dusk-to-dawn white-light LEDs for full-color video down to 0.0005 lux at F1.0.		●		LumiPower for extended distance

*N3-L LumiPower not included

LumiLuxSmart

Designed with 3 Flexible Modes



What is LumiLuxSmart Technology?

The LumiLuxSmart Technology line offers the industry's most extensive range of dual-functioning cameras to customize low-light scenes. With a choice of 4MP, 8MP, and 12MP options in fixed and motorized vari-focal lenses, customers can standardize on a single camera for all their needs, saving time and money. LumiluxSmart cameras provide three versatile low-light modes: IR-only for covert operations, dusk-to-dawn white-light deterrent LEDs, or motion-activated IR and white light. Additionally, the brightness of the white-light LEDs can be remotely adjusted for less intensity when required.

LumiLuxSmart is available on the N5-L Mainstream and N3-L Starter Series.



See Color Details in
Near-total Darkness



IR Saves on
Light Pollution



Proactive Security
Based on Motion



LumiLightBand

Express Your Presence.

LumiLightBand technology features a vibrant front-facing light strip designed to ensure the camera's presence is clearly visible. The light strip can be activated on a preset schedule or in response to event triggers. With eight attention-grabbing color options, the illuminating LEDs can be configured to remain steady, wave, or flash for a specified duration. **Available on N3-B fixed and K8-B kits.**



White-light LEDs for Color Video



Color-changing Proactive LEDs



Flexible Dual-Illumination for Any Scene



LumiNightKing

Made for Color. Specialized for Covertness or Deterrence.

LumiNightKing technology provides flexible and reliable full-color video in near-dark conditions. These cameras support two modes: covert monitoring with no LEDs or dusk-to-dawn white-light LEDs for deterrent monitoring. **Available on N4 fixed network cameras.**



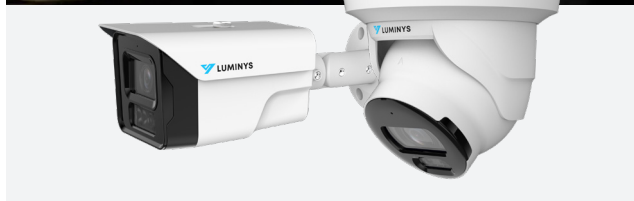
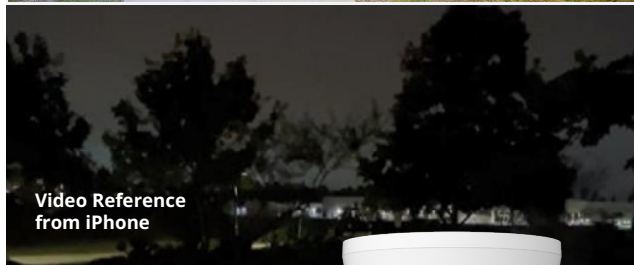
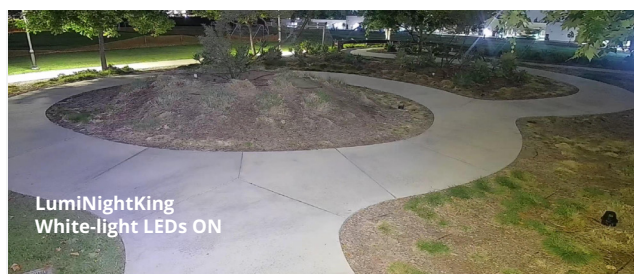
Powerful AI-ISP



Enhanced Pixel Size 2.9µm



Large F1.0 Aperture Lens





LumiDeterrent Powerful Prevention.

LumiDeterrent technology integrates full-color low-light imaging with advanced proactive deterrence features, including customizable audio alerts, warning lights, and dual-illumination. It supports three operational modes— infrared, dusk-to-dawn white-light LEDs for continuous deterrent monitoring, and motion-activated lighting. Brightness levels are remotely adjustable to minimize light pollution and optimize visibility for different environments. **Available on N5-D fixed cameras.**



See Color Details in
Near-total Darkness

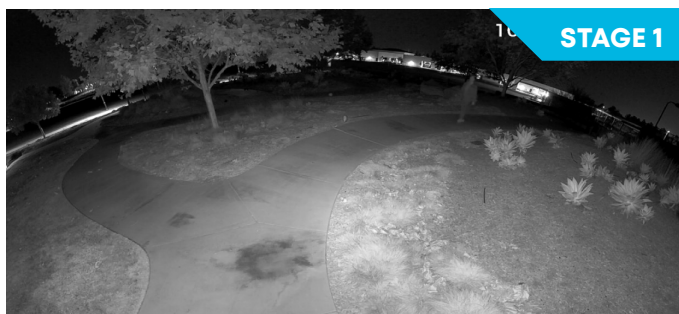


Proactive Security
Based on Motion



Highly Visible
Flashing Lights

How Does LumiDeterrent Technology Work?



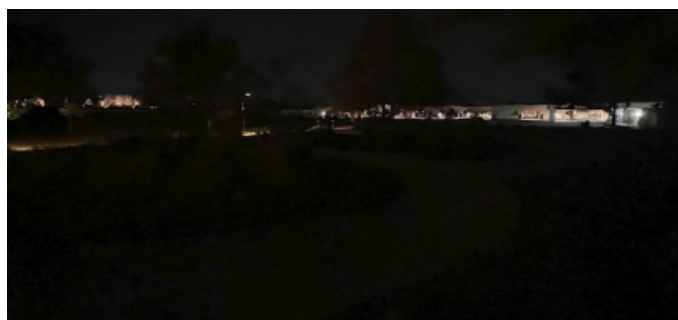
Scenes with no motion use infrared illumination to produce high-quality black-and-white images.



*90 feet represents the distance from the camera.



Customize your device for enhanced deterrence by uploading your favorite audio clip, recording customized commanding audio, and flashing emergency lights to draw attention to the scene.



Comparison iPhone® image of the same scene.

Motion-activated white-light LEDs provide supplemental lighting and color identification.

LumiColor

Engineered for Continuous Color.



LumiColor technology features dusk-to-dawn white-light LEDs to provide active deterrence and ambient illumination, delivering full-color security in near-dark environments. Once lighting is increased, the white-light LEDs turn off. **Available on N5-C Series fixed cameras.**



See Color Details in Near-total Darkness

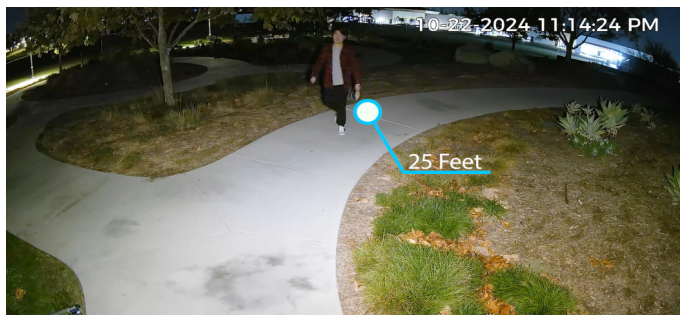


Proactive Security



Protect High-risk Areas

How Does LumiColor Technology Work?



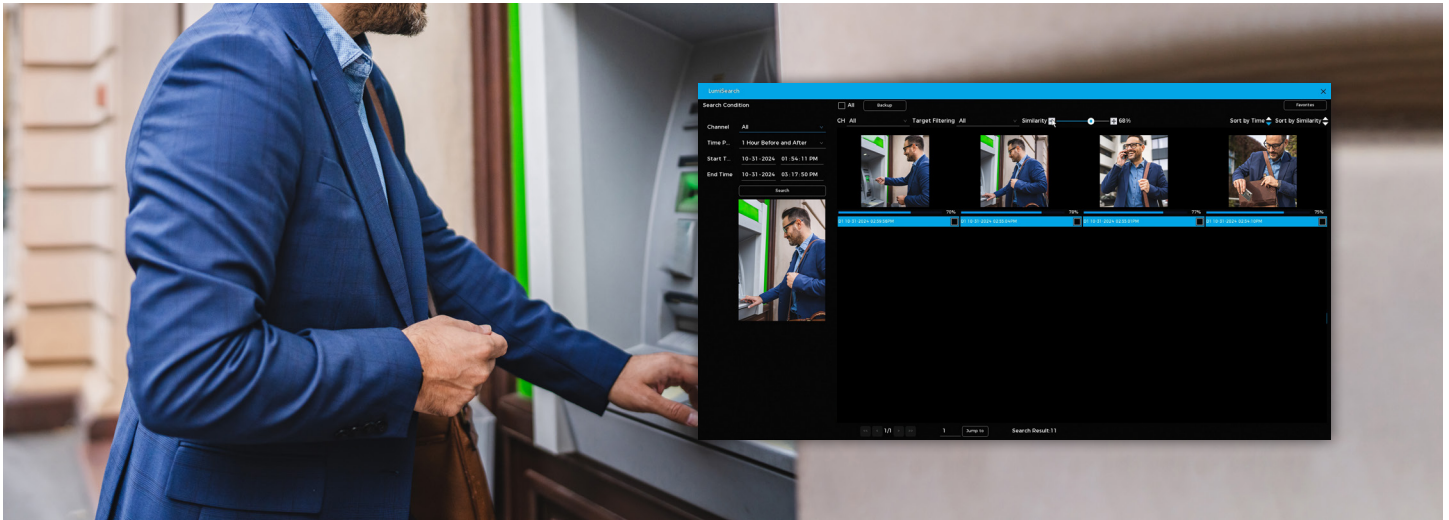
LumiColor camera with dusk-to-dawn white-light LEDs



*90 feet represents the distance from the camera.

LumiSearch

Optimized to Find Things Fast.



LumiSearch
P54-4DB25



LumiSearch+
N5-L LumiLuxSmart Series



LumiSearch
N5-D LumiDeterrent Series



LumiSearch
N5-C LumiColor Series

LumiSearch technology lets you quickly find, track, and identify targets in security video using just a reference image. Its algorithm analyzes body shape to accurately determine where a person has appeared across any LumiSearch-enabled camera or NVR.

Additionally, LumiSearch is designed with privacy in mind—it does not use facial recognition, does not require pre-registration, and collects no personally identifiable information.

LumiSearch+ is further enhanced with Trajectory Tracking, which visualizes movement paths across multiple camera feeds to improve situational awareness.

Additionally, its algorithm simultaneously analyzes metadata and search attributes such as color and body shape to accurately determine where a person has appeared across any LumiSearch-enabled camera or NVR.

For optimal performance, the lighting environment should remain consistent; otherwise, color variations may compromise search accuracy.



Cut Investigation
Time by~90%



Fast and Efficient



Live and recorded
event tracking



LumiSearch



LumiSearch+



LumiSearchVMS

Feature	LumiSearch	LumiSearch+	LumiSearch VMS
Efficient Tracking Locate individuals or vehicles quickly across feeds with a single reference image	Y	Y	Y
Targeted Searches Filter by attributes like clothing or vehicle for rapid retrieval	-	Y	Y
Trajectory Tracking Visualize movement paths across multiple LumiSearch-enabled camera feeds	-	Y	-
Advanced Attribute Search Identify by unique characteristics, including animal detection (animals cannot be search for, only omitted from search result)	-	Y	-
Pre-Search by Intrusion Draw custom search areas with irregular shapes for precise monitoring	Y	Y	Y
Pre-Search by Line Crossing Detect unauthorized entry across designated points	-	Y	Y
Search Based on Uploaded Image	Y	Y	Y
Search Across Multiple Cameras Search compatible cameras connected to same NVR	Y	Y	Y
Search Across Multiple Locations Search any camera connected to LumiCenter VMS, including cameras at various locations	-	-	Y
Compatible Software	WebGUI	WebGUI	LumiCenter Max VMS
Compatible Cameras	N5-D, N5-C P5-S, P54-4DB25	N5-L	Any Camera, ONVIF
Compatible NVRs	R5 & R6 Series NVR	R5 & R6 Series NVR	-

Analytics

Powered by Intelligence



Harness the Power of Video Analytics

- Real-time Alerts for Safety Violations
- Reduce Potential Threats
- Increase Operational efficiency
- Included at the edge on all network cameras

Luminys offers video analytics as a built in standard across the network camera lineup.



N5-L Series



N3-B



N4



N5-D Series



N5-C Series

	LumiLuxSmart	LumiLightBand	LumiNightKing	LumiDeterrent	LumiColor
IR	✓	✓	N/A	✓	N/A
Adjustable White -Light LEDs	✓	✓	✓	✓	✓
Flashing Red and Blue Lights	N/A	N/A	N/A	✓	N/A
Colorful LEDs	N/A	✓	N/A	N/A	N/A
Video Content Analytics	VCA+	VCA	VCA	VCA	VCA+
LumiSearch	LumiSearch+	N/A	N/A	*LumiSearch	LumiSearch
LumiPower	✓	N/A	N/A	N/A	✓
LumiAnalytics	✓	N/A	N/A	N/A	✓
Intelligent Motion Detection	✓	✓	✓	✓	✓

*Excludes N5P-8DA2

VCA: Line Crossing and Intrusion

VCA+: Line Crossing, Intrusion, Loitering Detection, and Parking Detection

LumiAnalytics: Face Detection, People Counting, Queue Management, Heat Map, Smart Object Detection

LumiPower

Go the Distance

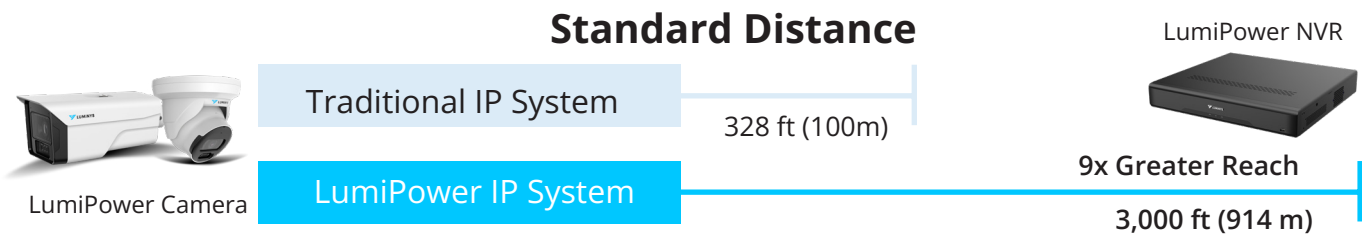
Expanding Possibilities, Redefining Connectivity

- Extend PoE Power up to 3,000 feet- 9x farther than traditional Ethernet
- Eliminate Repeaters and reduce cabling costs for large installations
- Simplify Setup with seamless plug-and-play connectivity
- Ideal for Large Deployments requiring long-distance device connections
- Save Time by streamlining installations with fewer hardware components

LumiPower

LumiPower Technology solves an inherent problem when deploying a security system for large-scale systems such as commercial or industrial applications. Power over Ethernet (PoE) cameras have become a popular surveillance option due to their simplicity and cost-effectiveness when wiring, however, a key limitation of PoE cameras is their maximum cable run distance of only 328 feet or 100 meters.

The LumiPower system, available on select PoE-enabled R5 NVRs, extends power and connectivity up to 3,000 feet (914 m), far exceeding the 328-foot limitation of standard Ethernet cables. This eliminates the need for repeaters or additional switches, reducing setup time and installation costs.



Simplify installations with plug-and-play functionality, reducing setup time and eliminating the need for extra hardware.



Faster Installation
Simplifies setup with plug-and-play power delivery



Eco-friendly
Reduces cabling and hardware needs for greener installations



Cost Effective
Minimizes additional equipment, saving time and money

Compatibility

Designed for R5 PoE NVRs and select LumiPower-enabled cameras for optimized performance.

Camera Series Availability: LumiLuxSmart: N5-L, LumiColor: N5-C

Survive the Elements

A wide operating temperature range of -40°F to 140°F ensures security cameras deliver reliable, continuous performance in extreme environments, from freezing winters to scorching summers. This durability makes them ideal for outdoor installations, remote sites, and critical infrastructure where climate conditions are unpredictable. It reduces downtime and maintenance costs by ensuring consistent operation in harsh weather.

LumiPolarPro and **LumiDesertPro** are available on the following Network Series Fixed Cameras: N3-B, N3-L*, N4, N5-D, N5-C, N5-L*.

*Select models



LumiPolarPro

Arctic Dependable.

LumiPolarPro technology ensures rugged all-weather performance. Depending on the product model, LumiPolarPro enables dependable performance in -40 °C (-40 °F) or lower.



LumiDesertPro

Built to Last.

LumiDesertPro technology ensures rugged all-weather performance. Depending on the product model, LumiDesertPro allows operation in temperatures 60 °C (140 °F) or higher.



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