TRITON

Rugged, Mobile Surveillance

Note: As an Infiniti Lite system, the Triton is built for hands-on manual control via joystick or mouse and does not support our Octagon API for network control. Step up to the Octagon-Enabled Rogue series when you need absolute positioning, radar slew-to-cue, or full API/network integration for control.

INFINITI LITE

The Triton is a small, rugged portable PTZ camera featuring various visible sensor options with up to 30X day/night zoom and resolutions up to 12 Megapixels. This compact unit packs both wide-angle and long-range imaging capabilities.

LED arrays or optional ZLID™ illumination can provide up to 500m (1600ft) of infrared illumination for 24/7 day/night imaging performance, even in complete darkness.

All of this comes in a rugged aluminum weather-ready enclosure, making the Triton an excellent choice for marine and vehicle deployments for police, navy, militaries and more around the world.

Key Features:

- Compact All-in-One Day/Night PTZ Camera System
- Impressive Visible Zoom Options from 3X to 30X
- Optical Field of View Options from 74° to 2.14°
- Active IR LED for 50m of Covert Illumination or Optional ZLID Illumination for up to 500m of Night Vision
- Rugged Mobile-Ready Design
- Military Connector Supplies Video, Power and Telemetry Over a Single Cable
- Rugged IP66 and −40° to +65°C Weather Resistance

Optional Features:

- Magnetic Mount
- Vibration Mount
- Integrated Battery
- GPS, WiFi, 4G Cellular Transmission
- Integrated Internal Storage
- Nano Coating for Viewing Window



THE TRITON'S

Additional Features and Options

INFINITI

Customized Rapid Deployment Kits

Our Rapid Deployment Kits allow for safe transportation and ultra fast setup and operation of Infiniti surveillance PTZ camera systems.

RDKs can be customized for a wide variety of applications, including basic configurations for transport cases only or a fully customized view-and-control kit with an integrated monitor, NVR/server for recording, WiFi/4G connectivity for remote viewing or control, tripods, and battery backups.

These kits are an excellent rapid deployment solution for military, law enforcement and other applications where every minute counts.







Battery Power

An optional battery can provide 6 to 8 hours of remote viewing and control on a single charge for completely wire-free operation.

Wireless Connectivity

Optional WiFi connectivity allows the camera to be viewed and controlled over a wireless network connection for quick deployment and use without requiring a cable installation.

Magnetic Mount

A built-in magnetic mount opens up a world of possibilities for mounting your Triton in the perfect position at a moment's notice. This feature gives users flexibility with the ability to quickly mount a Triton on a vehicle, tripod plate, or other metal surface with no tools or screws required. The powerful magnets make the Triton fast and secure to install and easy to adjust for optimal positioning.



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Visible Camera Options

INFINITI ELECTRO-OPTICS

		4MP 30X	8MP 20X	4MP 24X	2MP 30X	8MP 8X	12MP 3X Wide Angle**
Simulated FOV @ 1km							
Pixels Per Meter @ 1km		72ppm	66ppm	60ppm	50ppm	27.5ppm	9.4ppm
DORI	D: 25ppm	2,873m Detection	2,640m Detection	2,394m Detection	1,982m Detection	1,101m Detection	390m Detection
	O: 62ppm	1,158m Observation	1,065m Observation	965m Observation	799m Observation	444m Observation	157m Observation
	R: 125ppm	575m Recognition	528m Recognition	479m Recognition	396m Recognition	220m Recognition	78m Recognition
	I: 250ppm	287m Identification	264m Identification	239m Identification	198m Identification	110m Identification	39m Identification
Output Resolution		4MP @ 30fps (2688×1520)	4K @ 30fps (3840×2160)	4MP @ 30fps (2688×1520)	1080p @ 30fps (1920×1080)	4K @ 30fps (3840×2160)	12MP @ 20fps (4000×3000)
Image Sensor		4.1 Megapixel 1/2.9" CMOS	8.4 Megapixel 1/1.8" W CMOS	4.1 Megapixel 1/2.9" CMOS	2.4 Megapixel 1/2.8" CMOS	8.4 Megapixel 1/2.8" CMOS	12.9 Megapixel 1/2.3" CMOS
Lens*	Focal Length	4.7–141mm	6.6–132mm	5–120mm	4.8–144mm	5–40mm	3.9–14.5mm
	Optical Zoom	30X Optical Zoom × 16X Digital Zoom	20X Optical Zoom × 16X Digital Zoom	24X Optical Zoom × 16X Digital Zoom	30X Optical Zoom × 16X Digital Zoom	8X Optical Zoom × 16X Digital Zoom	3.5X Optical Zoom × 16X Digital Zoom
	Angle of View	67.9°–2.14° Horizontal	62.5°–3.3° Horizontal	56.6°–2.57° Horizontal	60.3°–2.22° Horizontal	58.3°–8.0° Horizontal	74.6°–24.0° Horizontal
	1080p Equiv.†	42X, 1.53° HFOV	40X, 1.65° HFOV	33X, 1.84° HFOV	30X, 2.22° HFOV	16X, 4.0° HFOV	7X, 11.5° HFOV
	Focus	Auto/Manual	Auto/Manual/Semi-Auto	Auto/Manual	Auto/Manual	Auto/Manual/Semi-Auto	Auto/Manual/Semi-Auto
Minimum Illumination		Color: 0.005 Lux @ ƒ/1.5; B&W: 0.0005 Lux @ ƒ/1.5	Color: 0.01 Lux @ ƒ/1.5; B&W: 0.001 Lux @ ƒ/1.5	Color: 0.005 Lux @ ƒ/1.5; B&W: 0.0005 Lux @ ƒ/1.5	Color: 0.005 Lux @ ƒ/1.5; B&W: 0.0005 Lux @ ƒ/1.5	Color: 0.01 Lux @ ƒ/1.5; B&W: 0.001 Lux @ ƒ/1.5	Color: 0.5 Lux @ ƒ/2.4; No dedicated B&W low-light
Optical Fog Filter (NIR)		No	No	No	No	No	No
Heatwave Mitigation		No	Optional	No	No	No	No
NDAA Compliant		Yes	Yes	Yes	Yes	Yes	Yes
Video Network	Compression	H.265/H.264/MJPEG					
	Protocol	ONVIF, HTTP, RTSP, RTP, TCP, UDP					
Image Stabilization		Electronic Image Stabilization (EIS)				None	EIS
Image Enhancements		Auto White Balance, WDR, 2D/3D DNR, BLC, HLC, Digital Defog					
Edge Storage		Supports MicroSD Card up to 256GB					

*Lens measurements and angle of view are accurate to ±10% due to back focus distances, sensor sizes, lens manufacturing, etc. **Note that the 12MP 3X Wide Angle camera option does not work with IR or ZLID illumination. †Zoom ratio and FOV equivalent if zooming into a 1080p crop of the video output.

ZLID™/IR Illumination Options

	50m IR	50m Stealth* IR	300m ZLID	500m ZLID
Illumination Distance	50m	50m	300m	500m
Wavelength	808nm	940nm	808nm	808nm
NOHD	0m (eye safe at any distance)	0m (eye safe at any distance)	15m	18.4m

*808nm IR light is invisible to the human eye, however the light source will still be visible as a faint red dot. Our optional 940nm "Stealth" IR offers covert illumination that is completely invisible to the human eye, with no red glow visible even at the light source.

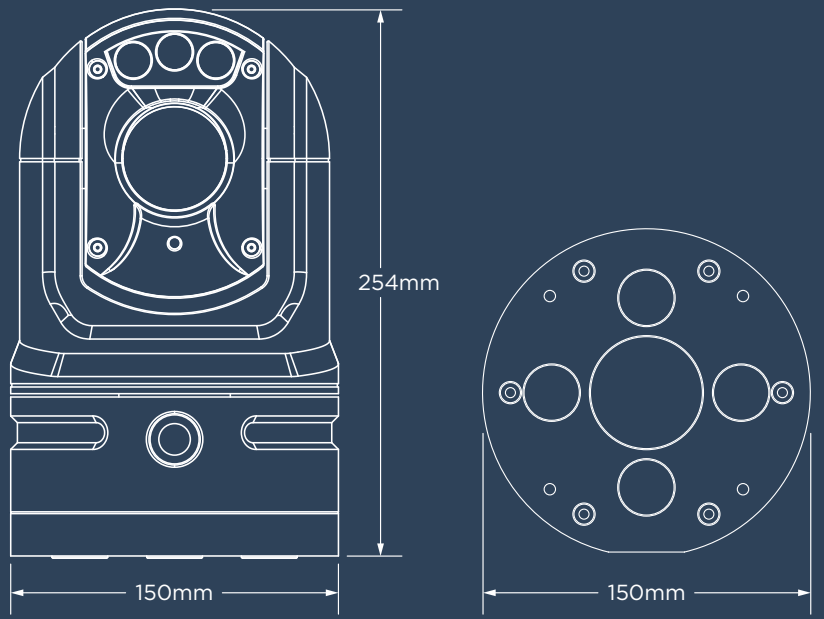
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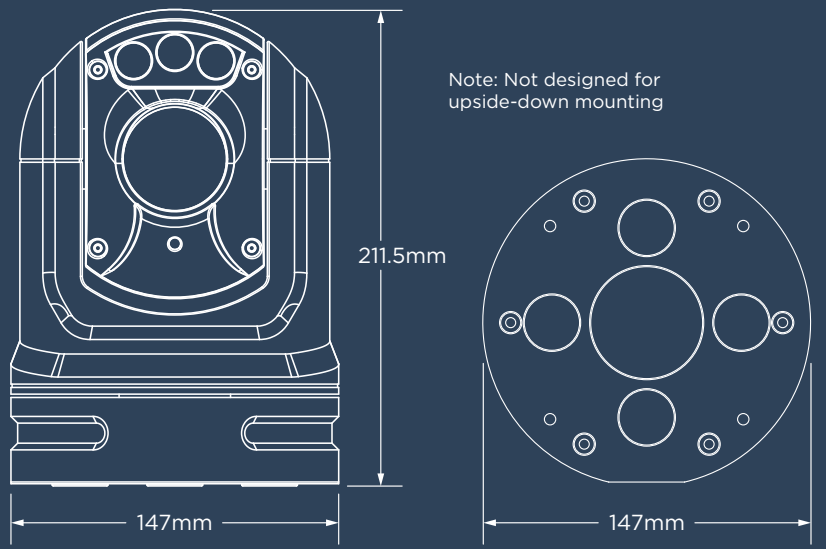
Additional System Specs

Pan/Tilt Mechanical	
Pan Angle & Speed	360° Continuous, up to 80°/sec
Tilt Angle & Speed	−25° to +90°, up to 60°/sec
Absolute Positioning	Not supported (for absolute positioning contact us for info on our Octagon Enabled product line)
Network API Control	Not supported (for API Control over network contact us for info on our Octagon Enabled product line)
Physical	
Construction	High Strength Aluminum Alloy w/anti-corrosive coating
Weight	<2.8kg (will change depending on configuration)
Environmental	
Operational Temperature	−40°C to +65°C
Environmental	IP66 Weatherproof Housing
Electrical	
Input Voltage	12VDC
Power Consumption	<20W (will change depending on configuration)

Specifications subject to change due to global supply chain constraints and material availability.



BATTERY TRITON



STANDARD TRITON

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