ATLAS

Rugged, Mobile Surveillance

The Atlas is a portable all-weather PTZ camera system featuring an impressive slate of day/night zoom camera options with both wide-angle and long-range imaging capabilities including 2 Megapixel or 8 Megapixel (4K) high resolution sensors. Night vision capabilities can be added with ZLID™/IR LED illumination which allows for HD nighttime performance up to 750m in complete darkness.

All of this comes in a rugged aluminum weather or marine-ready enclosure, with powerful PTZ capabilities, making the Atlas an excellent choice for marine and vehicle deployments by police, navy, militaries and more around the world.

Key Features:

- Integrated Day/Night PTZ with Long-Range IR Illumination
- 2MP HD or 8MP 4K High Resolution Sensors
- Impressive Visible Zoom Options from 3X to 30X
- Optical Field of View Options from 74° to 2.14°
- Active IR LED Illumination for 150m of Night Vision or Optional ZLID Illumination for up to 750m of Night Vision
- Rugged Mobile-Ready Design
- Military Connector Supplies Video, Power and Telemetry Over a Single Cable
- Rugged IP67 and −40° to +65°C Weather Resistance

Optional Features:

- Magnetic Mount
- Vibration Mount
- Internal Storage
- GPS, WiFi, 4G Cellular Transmission
- 940nm “Stealth” ZLID Illumination
- Nano Coating for Viewing Window

INFINITI LITE

Note: As an Infiniti Lite system, the Atlas 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.



OPTIONS

HD Imaging, Night Vision & Optional RDK

VIS/NIR Optical Zoom Camera

Infiniti's VIS/NIR zoom cameras utilize high-end CMOS sensors to offer excellent spectral sensitivity in the visible and near-infrared wavelengths of light to provide high-quality images optimized for long-range surveillance. They are designed to provide industry-leading performance and quality, with image resolutions ranging from 2MP (HD/1080p) to 8MP (UHD/4K).

We offer a wide range of focal lengths with optical zoom factors from 3X up to 30X optical zoom. At full zoom, our longest range 30X lens option has the equivalent field of view of a "full-frame" DSLR camera with a 950mm lens.

See in the Dark with ZLID™

IR illumination allows for detailed HD video when there isn't enough natural light, however common IR LED illuminators have very limited ranges. For long-range illumination, a laser is needed. Many laser illuminators overexpose the center of the screen and leave the edges dark. Infiniti's ZLID (Zoom Laser IR Diode) technology synchronizes the IR intensity and area illumination with the zoom lens for outstanding active IR performance, eliminating over-exposure, washout, and hot-spots for clear images in complete darkness.

Our optional 940nm "Stealth" ZLID offers covert illumination that is completely invisible to the human eye, with no red glow visible even at the light source (an 808nm IR illuminator will still have a visible red glow at the light source).

Custom 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.



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Visible Camera Options

INFINITI ELECTRO-OPTICS

		8MP 30X	4MP 30X	8MP 20X	4MP 24X	2MP 30X	12MP 3X Wide Angle**
Simulated FOV @ 1km							
Pixels Per Meter @ 1km		90ppm	72ppm	66ppm	60ppm	50ppm	9.4ppm
DORI	D: 25ppm	3,600m Detection	2,873m Detection	2,640m Detection	2,394m Detection	1,982m Detection	390m Detection
	O: 62ppm	1,452m Observation	1,158m Observation	1,065m Observation	965m Observation	799m Observation	157m Observation
	R: 125ppm	720m Recognition	575m Recognition	528m Recognition	479m Recognition	396m Recognition	78m Recognition
	I: 250ppm	360m Identification	287m Identification	264m Identification	239m Identification	198m Identification	39m Identification
Output Resolution		4K @ 30fps (3840×2160)	4MP @ 30fps (2688×1520)	4K @ 30fps (3840×2160)	4MP @ 30fps (2688×1520)	1080p @ 30fps (1920×1080)	12MP @ 20fps (4000×3000)
Image Sensor		8.4 Megapixel 1/1.8" W CMOS	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	12.9 Megapixel 1/2.3" CMOS
Lens*	Focal Length	6–180mm	4.7–141mm	6.6–132mm	5–120mm	4.8–144mm	3.9–14.5mm
	Optical Zoom	30X Optical Zoom × 16X Digital 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	3.5X Optical Zoom × 16X Digital Zoom
	Angle of View	65.2°–2.44° Horizontal	67.9°–2.14° Horizontal	62.5°–3.3° Horizontal	56.6°–2.57° Horizontal	60.3°–2.22° Horizontal	74.6°–24.0° Horizontal
	1080p Equiv.†	60X, 1.22° HFOV	42X, 1.53° HFOV	40X, 1.65° HFOV	33X, 1.84° HFOV	30X, 2.22° HFOV	7X, 11.5° HFOV
	Focus	Auto / Manual	Auto/Manual	Auto/Manual/Semi-Auto	Auto/Manual	Auto/Manual	Auto/Manual/Semi-Auto
Minimum Illumination		Color: 0.1 Lux @ ƒ/1.5; B&W: 0.01 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: 0.005 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: 0.5 Lux @ ƒ/2.4; No dedicated B&W low-light
Optical Fog Filter (NIR)		No	No	No	No	No	No
Heatwave Mitigation		No	No	Optional	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)					
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

	150m IR	300m ZLID	500m ZLID	500m Stealth* ZLID	750m ZLID	750m Stealth* ZLID
Illumination Distance	150m	300m	500m	500m	750m	750m
Wavelength	808nm	808nm	808nm	940nm	808nm	940nm
NOHD	0m (eye safe at any distance)	15m	18.4m	13.6m	26m	17.5m

*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" ZLID offers covert illumination that is completely invisible to the human eye, with no red glow visible even at the light source.

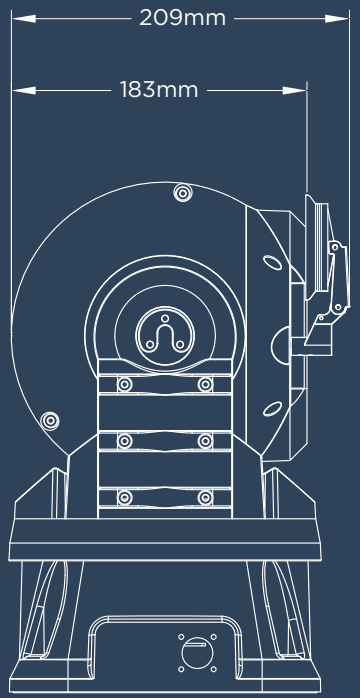
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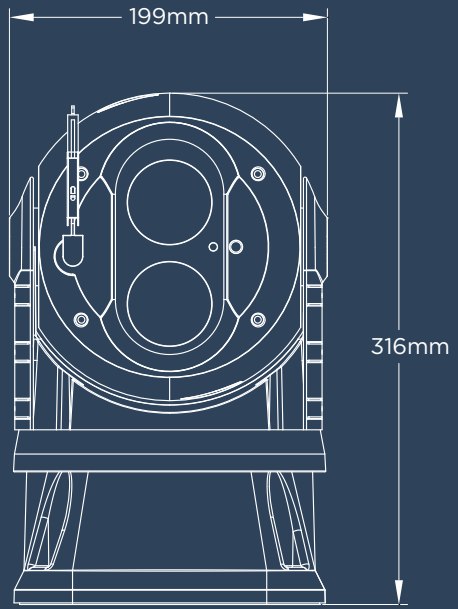
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Additional System Specs

Pan/Tilt Mechanical	
Pan Angle & Speed	360° Continuous, 0.05°/sec to 50°/sec
Tilt Angle & Speed	−20° to +40°, 0.05°/sec to 50°/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 (optional anti-corrosive coating)
Weight	6.6kg
Environmental	
Operational Temperature	−40°C to +65°C, <90% Relative Humidity
Environmental	IP67 Weatherproof Housing
Electrical	
Input Voltage	12VDC or 24VDC
Power Consumption	Max 60W (will change depending on configuration)

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





Note: Not designed for upside-down mounting

