



Optimized ELECTROTECH

NOCTVISION-1

NoctVision- 1 is a ruggedized Surveillance system for Long Range Night Vision Surveillance and other mission critical situations. The system provides high contrast images for post processing and analyzing from daybreak to nightfall. Its thermal capabilities allow it to capture images even in zero light conditions, enabling a 24-hour operation. Based on the varying light conditions, the system automatically adjusts image processing to get VIS NIR images or Thermal images or even a superimposition of the two.

Friend or Foe detection, enables military and civilian air traffic control interrogation systems to identify aircraft, vehicles or forces as friendly and to determine their bearing and range from the interrogator.

Long range Identification and Narrow field of View makes NoctVision-1 an outstanding tool for observing cross border traffic and critical infrastructure surveillance.

CAMOUFLAGING FOLIAGE DETECTION

Hyperspectral Multi Sensing to detect threats through foliage



HIGH FOCAL LENGTH

1600 mm focal length gives you a close-up picture of people and vehicles from afar



MOTION DETECTION

Detect and alert based on Detection of Motion of any person from 5 km or vehicles from farther distance



ZERO LIGHT IMAGING

Thermal imaging capability to provide surveillance even during night

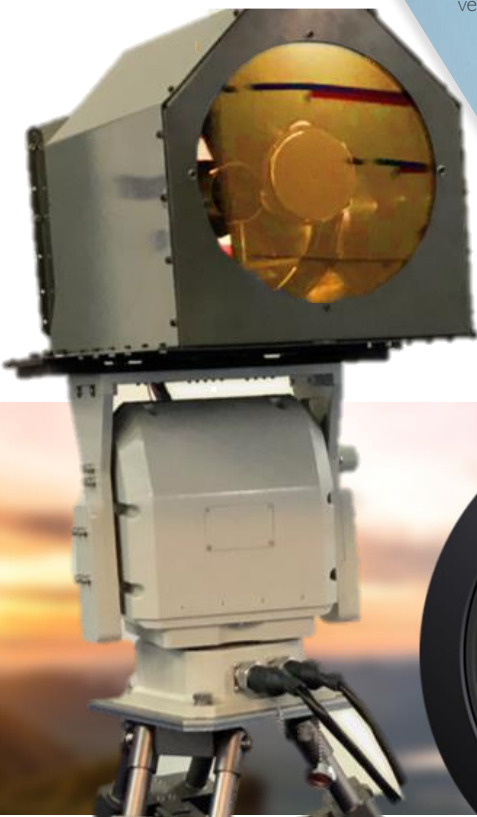


IDENTIFICATION

RECOGNITION

DETECTION

RUGGED



MADE IN INDIA

CONTACT DETAILS

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Optimized ELECTROTECH

NOCTVISION-I

TECHNOLOGY

Thermal (TIR) Imaging cameras provide a means of viewing objects in total darkness without the need for active illumination (artificial lighting). The underpinning technology was originally developed for military applications where the need was to be able to covertly detect targets of military importance at night.

The **Visible (VIS)** light spectrum is the section of the electromagnetic radiation spectrum that is visible to the human eye. Essentially, that equates to the colours the human eye can see. It ranges in wavelength from approximately 0.4μ - 0.7μ . It is also known as the optical spectrum of light or the spectrum of white light.

Near Infra-Red (NIR) is a subset of the IR spectrum, it covers wavelength between 0.7μ to 0.9μ . This spectrum is just outside of our visible range, and sometimes can present higher details than what is achievable with VIS. NIR is beyond colour wavelengths, resulting in most objects looking very similar to a grayscale image.

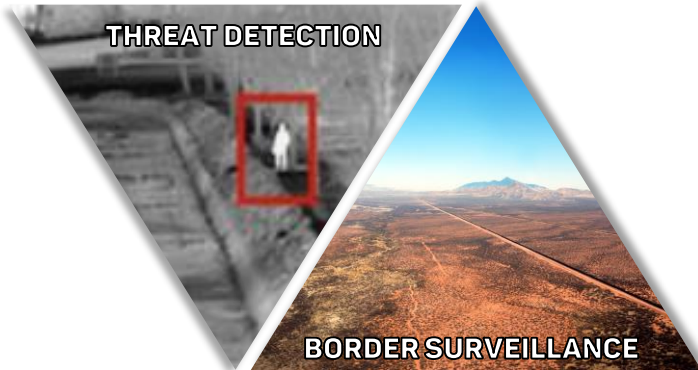
APPLICATIONS

PORT SURVEILLANCE



PERIMETER SURVEILLANCE

THREAT DETECTION



BORDER SURVEILLANCE

OPTIONALS



Laser
Rangefinder



PTZ Gimbal



View-finding
Camera



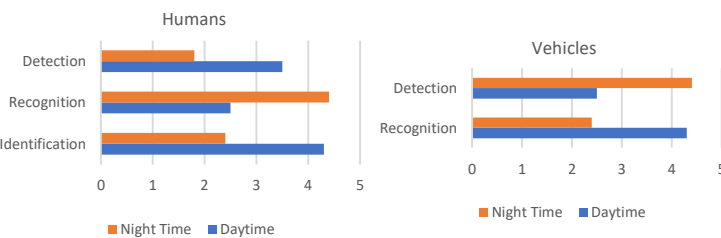
Ruggedized
Version

ABOUT US

Founded in 2017, is a DIPP certified start-up organization. The founding team has an experience of over 100 man-years. We have a state-of-the-art ISO Class-7 R&D infrastructure at our prototype development facility.

We build high-end Electro-Optic surveillance systems for Strategic and Commercial buyers. These products are researched and proven at India's most discerning clients for land and aerospace applications

SPECIFICATIONS



	VIS + NIR	Thermal
Spectrum	0.4 μ to 0.9 μ	8 μ to 14 μ
Focal Length	1600 mm	300 mm
Frame Size	5.5 MP	VIS + NIR
Field of View	0.6°	7.2°

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