Optimized ELECTROTECH

NOCTVISION

A ruggedized Electro-Optic / Infrared System for Long Range Day & Night Surveillance.

- **Zero Light Imaging**
- **Automatic Motion Detection**
- **Automatic Tracking**
- **Colour Image**

www.optimizedelectrotech.com

MAKE IN INDIA

NoctVision uses Thermal Imaging and Daylight Imaging in tandem to produce results that far exceed the capabilities of these individual technologies. NoctVision is a Day/Night Intelligent Surveillance system that can detect threats in zero light and light fog conditions. Vehicle detection can be done at a distance of 7 Kms during the day and 6 Kms during the night. The rugged design and possibilities of different types of sensors makes NoctVision an enduring and endearing product for strategic applications. Built-in Edge Analytics and Artificial Intelligence based architecture ensures that NoctVision can be deployed in strategic areas with minimal supervision; and still receive maximum actionable intelligence.

KEY USERS

- International Border Forces
- Paramilitary Forces
- Army
- Correctional Institutions
- Industrial Plants

KEY BENEFITS

- Zero Light Imaging
- Face Recognition
- Threat Analysis
- Recognition of Threats
- 360˚24/7 Operation

APPLICATIONS

Border Surveillance

Threat Detection

Port Surveillance

Perimeter Surveillance

Airport Security

SPECIFICATIONS

Camera	Visible Colour	Thermal
Array Format (NTSC)	1920x1200	640x480
Optical Zoom	22x	5x
Digital Zoom	2x	2x
Spectral Range (in micron meters)	0.45 to 0.9	8 to 12
System Integration		
Communication	Ethernet / Optical Fiber, RF, WiFi	
Alarms In/Out	Optional	
Network		
Supported Protocols	RTSP	
Pan/Tilt Performance		
Pan Speed	Max Speed: 60 degrees/sec	
Tilt Speed	Max Speed: 30 degrees/sec	
Programmable Presets	Configurable	
General		
Input Voltage	24V	
Power Consumption	50W	
Weight	10.8Kg (*Excluding Gimbal)	
Size (in mm) (L x W x H)	248mm * 294mm * 170mm	
Environmental	IP65/IP67	
Operating Temperature Range	-30˚C to 55˚C	
Storage Temperature Range	-40˚C to 85˚C	

	Day Camera		Thermal Camera	
	Human (0.9m)	Vehical (2.3m)	Human (0.9m)	Vehical (2.3m)
Detection	6 km	2.5 Km	10 Km	4 Km
Recognition	3 Km	1 Km	5 Km	2.5 Km
Identification	1.5 Km	0.6 Km	-	1.6 Km
Face/Number plate	0.25 Km	1 Km	0.3 Km	0.4 Km

	Day Camera		Thermal Camera	
Automatic (AI Based)	Human (0.9m)	Vehical (2.3m)	Human (0.9m)	Vehical (2.3m)
Detection	3 Km	4.5 Km	0.6 Km	1.5 Km
Tracking	1.5 Km	2.5 Km	0.6 Km	1.5 Km

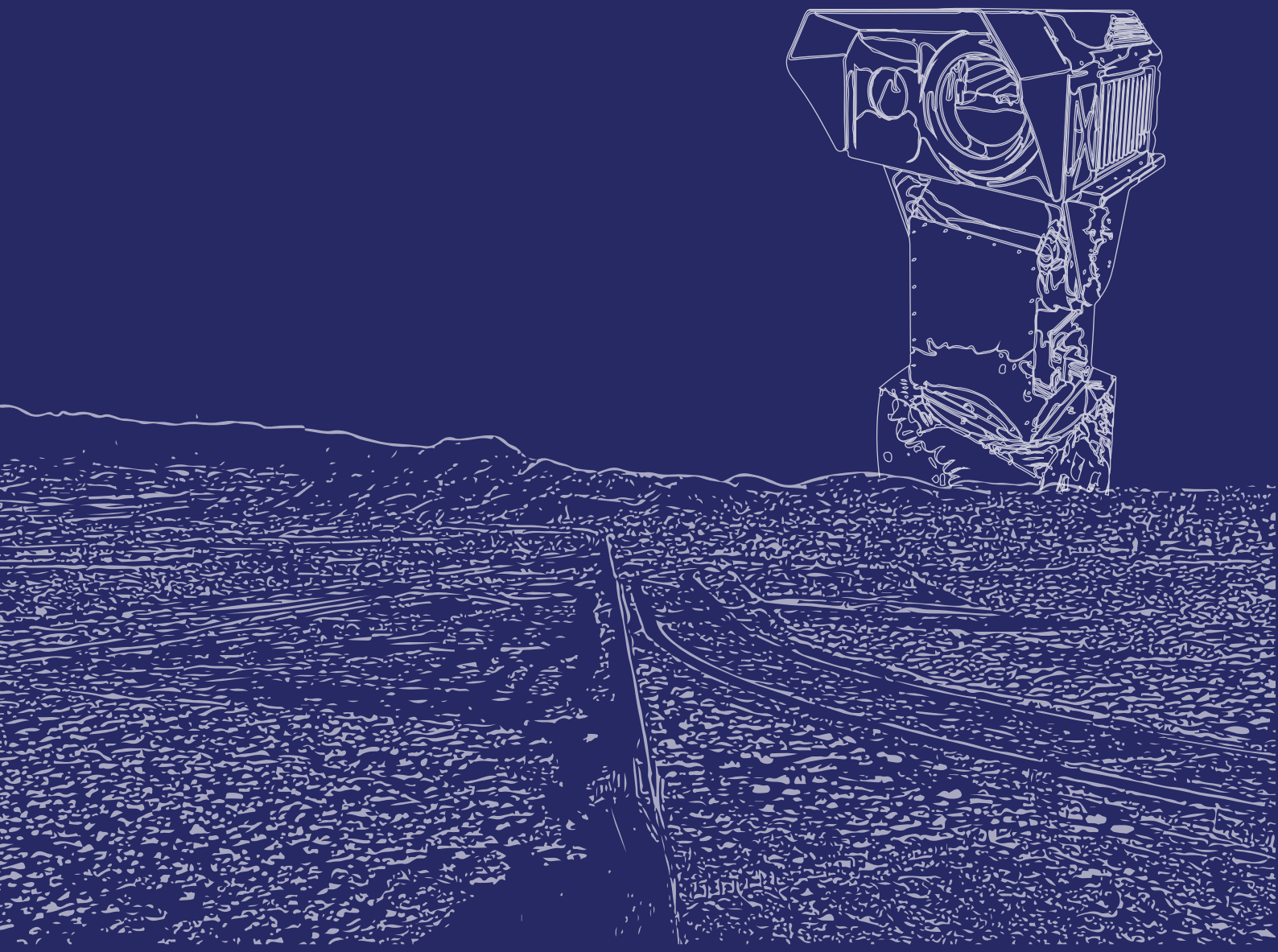
OPTIONALS

Laser Rangefinder

View Finding Camera

Pan & Tilt Gimbal

Ruggedized Touch Panel Display



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