



# 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](http://www.optimizedelectrotech.com)





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
- Correctional Institutions
- Paramilitary Forces
- Industrial Plants
- Army

## KEY BENEFITS

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

## APPLICATIONS



# SPECIFICATIONS

Camera	Visible Colour	Thermal		
Array Format (NTSC)	1920x1200	640x480		
Optical Zoom	20x	10x		
Digital Zoom	2x	2x		
Spectral Range (in micron meters)	0.45 μ to 0.9 μ	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	36W			
Weight	09Kg (*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			
	Range (Human - 1.7m)*	Range (Vehicle - 2.3m)*		
	Visible Colour	Thermal	Visible Colour	Thermal
Detection	7 Km	2.5 Km	10 Km	4 Km
Recognition	3 Km	1 Km	5 Km	2.5 Km
Identification	0.2 Km	0.6 Km	-	1.6 Km
AI Ranges	0.7 Km	1 Km	0.3 Km	0.4 Km
LRF Range (Optional)				
General Range	0-6000 m			
NATO Target**	3800 m			
GPS/IRNSS (Optional)				
Position Accuracy	<=2m			

\*\* Under constraint environment and reflectivity    |    '++ In Roadmap    As per STANAG Standard

# OPTIONALS



Laser  
Rangefinder



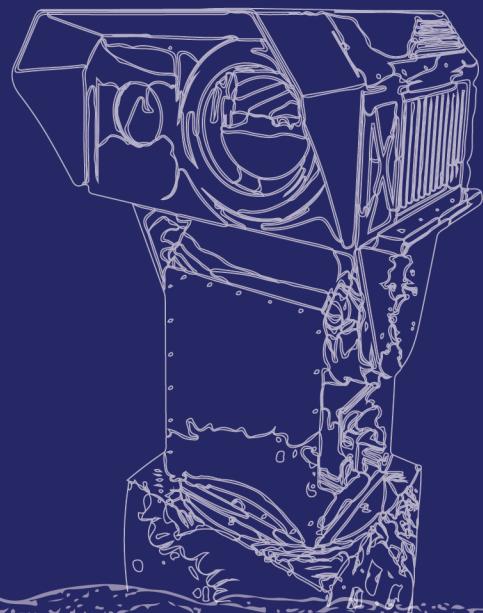
View Finding  
Camera



Pan & Tilt  
Gimbal



Ruggedized  
Touch Panel  
Display



#### Corporate HQ

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#### Prototyping Facility

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