

VEHICLE BASED OBSERVATION & SURVEILLANCE SYSTEM

TOM - VEHICLE

Specially developed for all types of security patrol vehicles

Incorporates powerful day, thermal cameras & robust pan-tilt unit

Designed to withstand harsh weather conditions & rugged environments

FEATURES:

- Designed for border management & perimeter security
- Day & Night observation from inside the vehicle
- Installation on telescopic or fixed masts on any vehicle type
- Built-in Digital Video Recording on MAX control & display unit, or ruggedized windows based laptop
- Wireless communication – optional
- Variety of short, medium and long range solutions
- Military grade system designed to withstand rugged use and harsh environments



CASE STUDIES:



VEHICLE BASED OBSERVATION & SURVEILLANCE SYSTEM

STANDARD CONFIGURATION (other options available)

TOM225	SPECIFICATIONS
Day Camera	
Type	CCD/CMOS (Optional – HD)
Lens	3.4 – 122.4mm
Resolution	440,000 Pixels
FOV	WFOV 57.8° /NFOV 1.7°
Optical Zoom	x36
Thermal Camera	
Type	Uncooled Micro bolometer
Resolution	640x480
Pixel Size	17μ
Lens	25 - 225mm Continuous Zoom
FOV	WFOV 24.6° / NFOV 2.8°
Range Performance*	
Detection (D)	Up to 6.0km (Human Target), 12.6km (NATO Target)
Recognition (R)	Up to 2.0km (Human Target), 5.0km (NATO Target)
Identification (I)	Up to 953m (Human Target), 2.3km (NATO Target)
Pan-Tilt	
Operational Angle	±170° (Optional - 360° Continuous Rotation)
Elevation	±90°
Pan Speed	Up to 45°/sec
Tilt Speed	Up to 8°/sec
General	
Video Output	PAL/NTSC or Digital
Communication	RS-422 or LAN
Power	12 - 24 VDC
Weight	~29.5 Kg
Operating Temperature	-30°C to +60°C
Environment Compliance	IP67, designed to meet MIL-STD-461E & MIL-STD-810F

About ESC BAZ

ESC BAZ is a leading provider of surveillance systems for military & homeland security with over 1000 installations worldwide. Our customers include various departments of the Israeli army, police and security agencies. Global projects cover harbor defense in Asia, border management in Eastern Europe, pipeline & prison security in South America among many others.