

FAMILY OF MEDIUM & LONG RANGE OBSERVATION SYSTEMS

AVIV295-M-Rad

Incorporates powerful day, thermal camera and robust pan-tilt unit with RF Pass-thru for Radar installation on top. Modular, flexible design suitable for variety of defense applications. Built for rugged use and harsh environmental conditions

AVIV225-M-Rad	SPECIFICATIONS
Day Camera	
Type	CMOS
Resolution	> 650TVL (Center)
Lens	Focal Length: 15 – 300mm, continuous zoom
FOV (H)	WFOV: 18.1° / NFOV: 0.9°
Optical Zoom	x20
Min. Illumination	0.1 lux
Thermal Camera	
Type	Uncooled Micro bolometer
Resolution	640x480 pixels
Pitch	17μ
Lens	Focal Length: 45 - 295mm, Continuous Zoom
FOV (H)	WFOV: 13.8° / NFOV: 2.1°
Range Performance*	
Detection (D)	Up to 7.5km (Human Target), 13.3km (NATO Target)
Recognition (R)	Up to 2.6km (Human Target), 5km (NATO Target)
Identification (I)	Up to 1.3km (Human Target), 3.3km (NATO Target)
Pan-Tilt	
Type	T-Bar with RF Pass Thru turret, for Radar installation on top
Operational Angle	360° continuous rotation
Elevation	+90° /-90°
Pan Speed	0.005° up to 30°/sec
Tilt Speed	0.005° up to 30°/sec
Load capacity	Static: Up to 135 kg (balanced) ; Mobile: Up to 65 kg (balanced)
General	
Video Output	PAL/NTSC
Communication	RS-422 or LAN, H.264
Power	12 - 24 VDC
Operating Temperature	-20°C to +50°C
Environment Compliance	IP67, designed to meet MIL-STD-461E & MIL-STD-810F

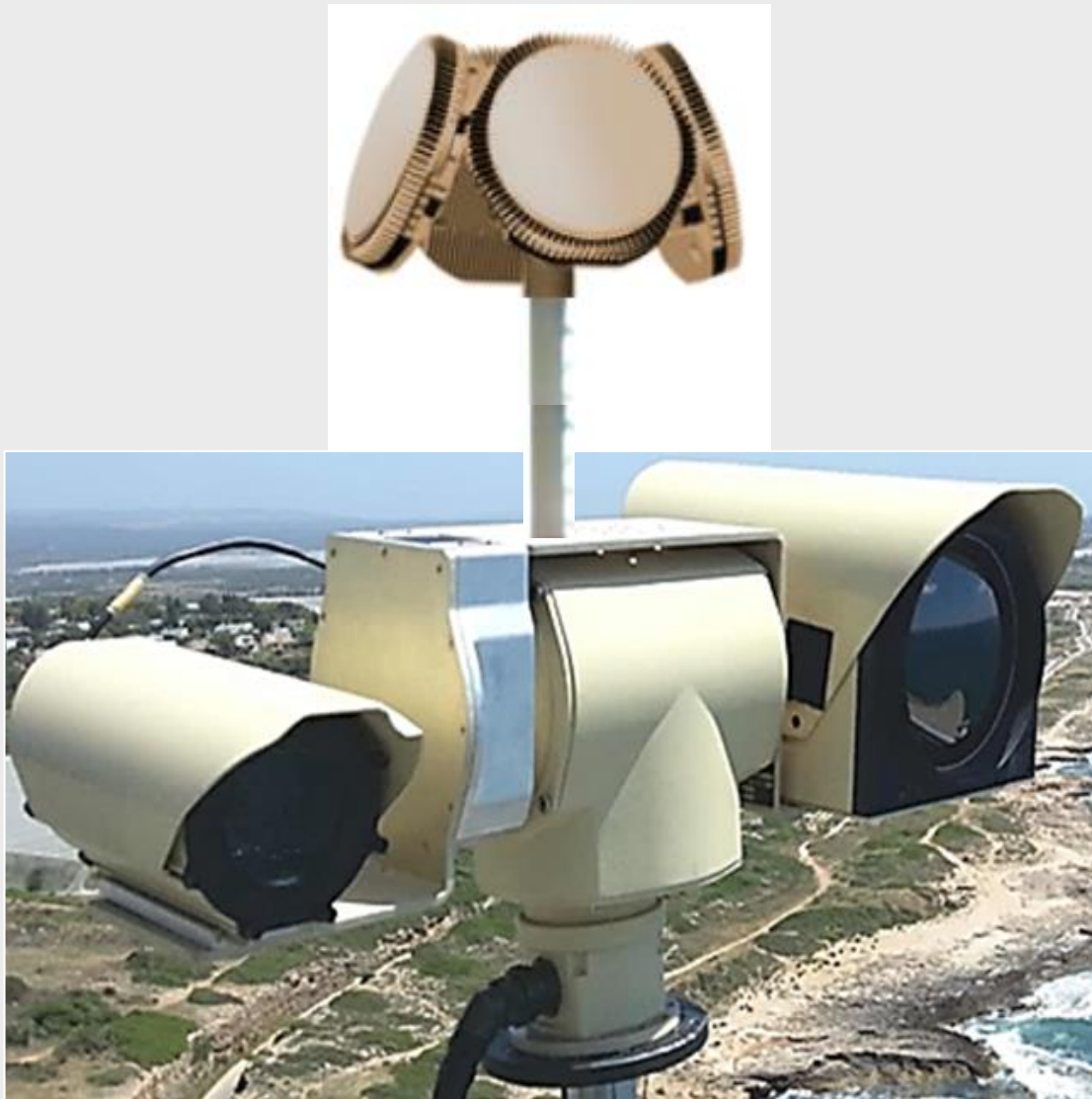
*Calculated range performance of Thermal camera

- Human Object dimensions: 1.7x0.5m
- NATO Target dimensions: 2.3x2.3m
- Atmospheric visibility > 23Km
- Atmospheric Transmittance > 0.82/Km

Specifications are subject to change without prior notice

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Typical View:



Pictures for illustration only

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.