

# Super Cam 5500T



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## VENDOR DESCRIPTION

**Super Cam 5500T** refers to a thermal imaging system based on a cooled InSb Focal Plane Array (FPA) with 256 horizontal pixels and 256 vertical pixels. The system provides multiple FOV optics and is ideally suited for long range target recognition and detection. The system also includes a 40X low-light daytime camera. The unit is completely sealed and purged with dry nitrogen. The system can withstand the harshest environmental and operational conditions. All control positioning and camera functions are controlled via our proprietary touch-screen controller and proportional joystick. The 5500 system is also available with a laser rangefinder as model **5500LR**.



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EOIR

Hardware		Gimbal
RF Frequency: N/A	Operating Temp.: 0°C to 60°C	Height: 23" (58cm)    Weight: 100 lbs
Power: 250 watts max.	Storage Temp.: -20°C to 85°C	Stabilization: Available
Weight: 45.349 kg or 100.00 lbs	Interface: RS-232 or RS-422	Resolution: 0.1°
Dimensions: 56 cm x 70 cm x 38 cm	Bandwidth Required: N/A	Angular Speed: 18°/sec
Internal Volume: 5.59 ft <sup>3</sup> (including hood)	TCDL Compatibility: No	Azimuth Coverage: ± 270°
Cooling: Ambient air	MTBF: > 5,000 hrs	Elevation Coverage: ± 90°
LOS Stabilization: Positioning indicators/cross hair both analog pointers and digital readout on display and video symbology	MTTR: 15 minutes	Slew Rate Azimuth: 0-18°/sec Can configure for specific application.
Auto Video Tracker: Available	Maintainability: Subsystem level LRU/system controller	Slew Rate Elev. Coverage: 0-9°/sec

Electro-Optical (EO)	Infrared (IR)
Type: ½" Sony Super HAD CCD	Type: MWIR InSb Reticulated
Resolution: More than 470 TV lines	Resolution: 256 x 256
Range: Human target greater than 15 km	Range: Human target detection 21.5 km
Angular Coverage: N/A	Angular Coverage: 8.8x8.2 WFOV 1.8x1.7 NFOV
Zoom Rate: 1-40X	Cooling Method: Stirling cooled
Modes of Operation: Auto/Man focus	Modes of Operation: Autoscan/Presets/Man
Target Size: .75 x .75 meters/good TX	Target Size: .75 x .75 meters/good TX
Field of View: N/A	WFOV: 100mm
Sensitivity: Less than 1 lux	MFOV: N/A
Color or B/W: Color standard, B/W optional	NFOV: 500mm