

Super Cam 5000T



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VENDOR DESCRIPTION

Super Cam 5000T refers to a thermal imaging system based on a Barium Strontium Titanate (BST) Focal Plane Array (FPA) with 320 horizontal pixels and 240 vertical pixels. The system provides 100mm Germanium optics with 2X electronic magnification. The system also includes a 40X auto-focus 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 system is available in multiple configurations, including Thermal/Daytime, Thermal/Daytime/Intensifier, Thermal/Daytime/Laser Rangefinder, Long Range Thermal/Daytime, and Long Range Thermal/Daytime/Laser Rangefinder.



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EO/IR

| 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 ³ (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: BST Focal Plane Array |
| Resolution: More than 470 TV lines | Resolution: 320 x 240 |
| Range: Human target detection 15 km | Range: Human target detection 15 km |
| Angular Coverage: N/A | Angular Coverage: 12° |
| Zoom Rate: 1-40X | Cooling Method: Thermoelectric |
| 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: 200mm |