

Super Cam 5000L



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VENDOR DESCRIPTION

Super Cam 5000L 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 and 3rd generation image intensifier. 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.



Product Manager
Robotic & Unmanned Sensors

Telephone: (732) 427-5827 / DSN 987

Fax: (732) 427-5072 / DSN 987

e-mail: SFAE-IEWS-NV-RUS@IEWS.monmouth.army.mil

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: 56cm 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)	Intensifier (Night Vision)
Type: 1/2" Sony Super HAD CCD	Type: BST Focal Plane Array	3 rd Generation Gallium Arsenide ANVIS type
Resolution: More than 470 TV lines	Resolution: 320 x 240	Resolution: More than 570 TV lines
Range: Human target detection 15 km	Range: Human target detection 15 km	Range: Human target detection 12 km
Angular Coverage: N/A	Angular Coverage: 12°	Brightness Gain: 45,000-65,000 times
Zoom Rate: 1-40X	Cooling Method: Thermoelectric	Lens: 10-200mm continuous zoom 2x optional
Modes of Operation: Auto/Man focus	Modes of Operation: Autoscan/Presets/Man	Spectral Response: 350-980 nanometer
Target Size: .75 x .75 meters/good TX	Target Size: .75 x .75 meters/good TX	Target Size: .75 x .75 meters/good TX
Field of View: N/A	WFOV: 100mm	Functions: Focus/Zoom/Iris
Sensitivity: Less than 1 lux	MFOV: N/A	
Color Standard/B/W optional	NFOV: 200mm	