

# LTC550 IR Camera

**BAE SYSTEMS**

## VENDOR DESCRIPTION

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The LTC550 Infrared Camera is an environmentally qualified, long-range thermal imaging system suited for applications such as day/night surveillance, driver's vision enhancement and night (IR) sight applications.

Based on BAE SYSTEMS' uncooled 320 x 240 MicroIR™ technology, the LTC550 provides high-resolution imagery at a 60Hz frame rate with better than 100mK sensitivity. RS-170 analog and 8-bit or 16-bit digital video output is accessible directly from the unit.

The LTC550's modular design enables the end user to specify the lens required to meet current application requirements and the flexibility to reconfigure the system should application requirements change. Lenses ranging from 18mm wide to 100mm/300mm dual field of view are available, resulting in man-size target detection capability at ranges out to approximately 5km.

Control of the LTC550 is accomplished via our CTB126 System Controller or direct via RS-422 serial communication.

Listed on GSA Contract No.: GS-35F-0647M



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Business Category: Large Business

PIR

Power Source	Environmental
LTC550 IR Camera: 6 to 9 VDC 4.5 Watts Nominal 6 Watts Max.  Motorized Lens: 12 VDC 2 Amp (nominal)  CTB126 Controller: 12 VDC 4 Amp (nominal) or 110 VAC	MIL-STD-810E: Altitude, Low Pressure (Non-operational): Method 500.3, Procedure III Altitude, Low Pressure (Operational): Method 500.3, Procedure II Temperature, High (Non-operational): Method 501.3 Procedure I, Table 501.3-1 Temperature, High (Operational): Method 501.3 Procedure I, Table 501.3-1 Temperature, Low (Non-operational): Method 502.3 Procedure I, Table 502.3-1 Temperature, Low (Operational): Method 502.3 Procedure I, Table 501.3-1 Temperature Shock (Non-operational): Method 503.3, Section II Blowing Rain (Operational): Method 506.3, Procedure I Humidity (Operational): Method 507.3, Procedure I, Table 507.3-I, Cycle I Fungus (Non-operating): Method 508.4 Salt Fog (Operational): Method 509.3, Section II, Procedure I Sand and Dust (Non-operational): Method 510.3, Procedure I and II Explosive Atmosphere (Operational): Method 511.3, Section II, Procedure I Immersion (Non-operational): Method 512.3, Procedure I, Basic Leakage Vibration (Operating): Method 514.4, Procedure I, Category 8 Shock (Non-operational): Method 516.4, Procedure I, Figure 516.4-4

Sensor	Description	Detection	Size/Weight	Features
LTC550 Camera Body	Passive Infrared – BAE SYSTEMS SIM205 MicroIR™ Technology housed in a weatherproof enclosure	Lens-dependent – Man-sized target out to 5 km	10cm x 12cm x 12cm (3.95" x 4.74" x 4.74") 2.5 kg (5.5 lbs)	<ul style="list-style-type: none"> <li>320 x 240 resolution</li> <li>Versatile mounting bracket</li> <li>Interchangeable optics</li> </ul>

Device	Description	Message Type	Size (LxWxH) / Weight	Features
Optics	Family of f/1.0 lenses ranging from 18mm wide FOV to 100/300mm DFOV		Various	<ul style="list-style-type: none"> <li>Motorized (weatherproof)</li> <li>Flange mount for interchangeability</li> </ul>
CTB126 Controller	Full function LTC550 Controller	RS-422	17.2cm x 14.9cm x 5.7cm (6.75" x 5.88" x 2.25") 1.7 kg (3.7 lbs)	<ul style="list-style-type: none"> <li>Provides remote control of all LTC550 features</li> </ul>