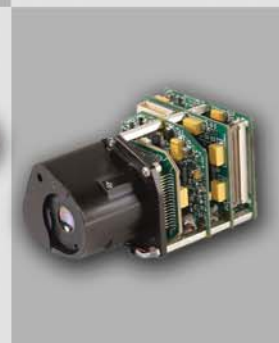
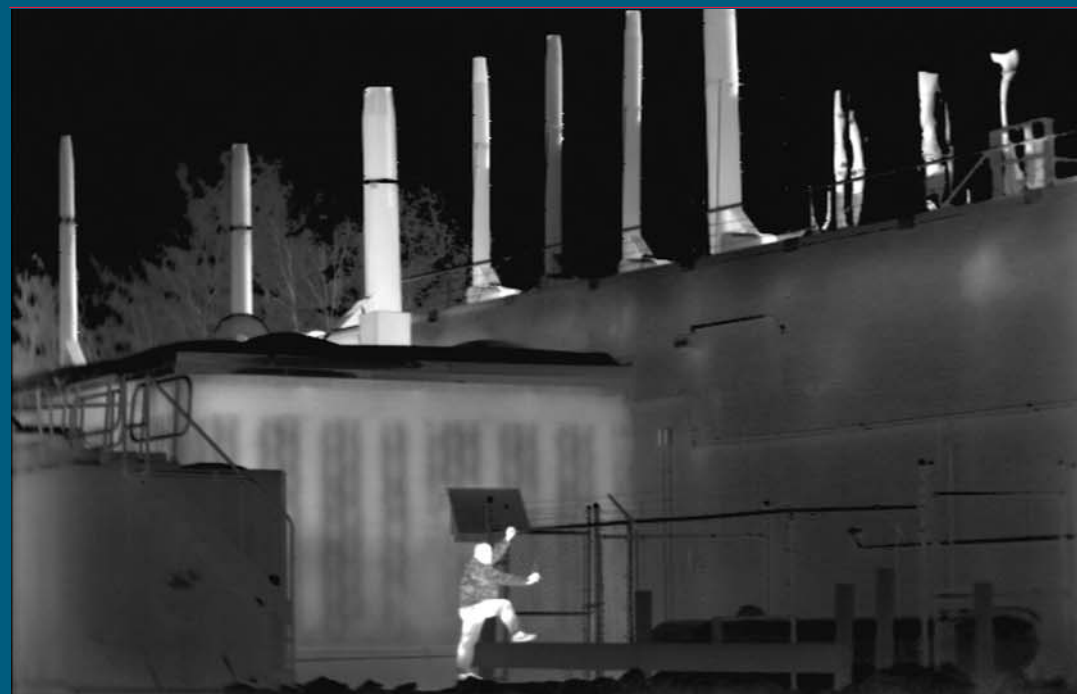


Uncooled Thermal Imaging Solutions for Homeland Security



MicroIR® Technology

MICRO **IR**® Technology

Solutions for your day/night surveillance and targeting requirements



Handheld Thermal Imagers

The HHC100 and HHC150 provides the law enforcement professional with a self-contained, ergonomic handheld thermal imager that delivers high-resolution thermal imagery for enhanced day/night situational awareness. Whether you're tasked with locating and/or tracking intruders, searching for contraband or conducting covert surveillance, the HHC100 and HHC150 can be configured to meet your mission requirements.



Light Thermal Weapon Sight

Military qualified and soldier tested, the Light Thermal Weapon Sight (LTWS) provides night targeting and firing capability allowing law enforcement personnel to quickly identify, engage and neutralize hostile threats independent of darkness, smoke and other common obscurants deployed for visual concealment.

The LTWS utilizes the MIL-STD Picatinny Rail mount resulting in compatibility with a wide range of weapons.



Fixed Mount Infrared Cameras

The environmentally qualified LTC550 (320x240) and PMC300 (640x480) Infrared Cameras are the ideal solution for fixed and vehicle based installations where mission requirements demand high resolution thermal imagery in order to maintain day/night situational awareness independent of darkness, fog and other common obscurants.

The camera's unique modular design and extensive family of available optics provides the end-user with the ability to configure the unit to meet current mission specific performance requirements yet the flexibility to re-configure should requirements change.



Infrared Camera Cores

The SCC500 Series of infrared camera cores provide original equipment manufacturers (OEMs) and integrators with the ability to select from three standard resolutions (160x120, 320x240 or 640x480), each based on a compact, lightweight common electronics package and electrical interface. No other series of camera cores offer this level of commonality between resolutions.

The SCC500 Series is the ideal infrared camera core for integration into a wide range of unattended air and ground vehicle payloads.



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Uncooled Thermal Imaging Systems

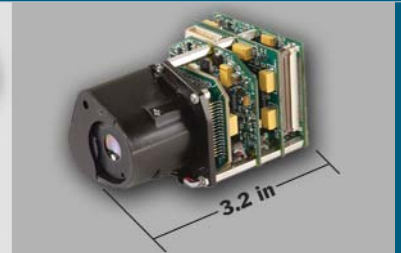
Why MicroIR Technology?

Features

- Microbolometer focal plane array based thermal imagery at 60Hz framerate and wide dynamic range
- No artificial illumination required
- Ability to see through fog, smoke and other common obscurants

Benefits

- No image distortion when viewing moving targets and the absence of halo effects seen in imagery from BST based systems
- Greater detection range resulting in increased threat response time
- Reduce visual concealment techniques employed by hostile intruders



LTC550 and PMC 300 Infrared Cameras

- Two Resolutions – LTC550 (320×240) and PMC300 (640×480)
- Ruggedized, environmentally qualified enclosure
- Modular design allows camera to be configured with the specific lens necessary to meet mission requirements
- RS-422 and contact closure control interface provisions for ease of integration and rapid deployment

HHC100 Series Handheld Thermal Imagers

- Two resolutions – HHC100 (160×120) and HHC150 (320×240)
- Ruggedized, weatherproof enclosure
- Configurable to meet specific mission requirements – removable pistol grip, light blocking eyecup for covert missions
- Ergonomic control interface for right or left hand operation
- Powered by standard off-the-shelf AA batteries or external source
- RS-422 communication interface and RS-170 video output for remote operation

Light Thermal Weapon Sight

- MIL-Qualified and soldier tested thermal weapon sight
- MIL-Standard Picatinny Rail mount for compatibility with common weapons (M4, M16) and optional pistol grip for handheld use
- Light blocking eyecup for covert night missions
- Adjustable reticule for precision targeting
- Powered by standard off-the-shelf AA batteries or external power source

SCC500 Series Infrared Camera Cores

- Three resolutions – SCC500L (160×120), SCC500H (320×240), SCC500X (640×480)
- Common electronics and mechanical interface shared by all three camera cores
- Unprecedented performance : -40 to 85°C operating temperature range, 60 Hz frame rate (30Hz for 500X), 14bit dynamic range
- Flexible form factor for meeting packaging constraints

This photo shown is a SCC500H with 9 mm lens.