

APPLICATIONS

- Perimeter Security
- Facility Security
- Intrusion Detection
- Power Generation Facilities
- Petrochemical Processing Facilities
- Waterway and Port Surveillance
- Critical Water Infrastructure
- Transportation Infrastructure
- Airport Security

INTEGRATED UNCOOLED SURVEILLANCE SYSTEM

The ThermoVision Centurion is an affordable and reliable uncooled thermal imager which provides clear, high-contrast thermal video in daylight or total darkness. The system is ideal for intrusion detection, alarm monitoring, and general surveillance. On-board features such as the Detect-IR™ thermal alarm feature, auto focus, and advanced communication options provide the flexibility required to quickly install stand-alone and multi-camera systems.

PROVEN TECHNOLOGY

ThermoVision Centurion is built on FLIR's advanced uncooled microbolometer technology. The imager can distinguish thermal differences as small as 0.08°C (80mK) while generating real-time imagery at 60Hz (50Hz PAL). The reliability of FLIR's uncooled imager technology has been proven in thousands of deliveries around the world. Durability and low total life-cycle costs are a conscious result of FLIR's design philosophy.

ADVANCED INTELLIGENCE

Intelligent and intuitive, the Centurion features the unique Detect-IR functionality which provides an automated discrimination tool for the detection and observation of threats. The internal image storage function and event log provide event documentation.

EASY TO USE

The advanced automatic gain control (AGC) features DSP-based histogram equalization which provides the best possible image in all conditions. Auto-focus, focus-presets, and manual focus provide flexibility for any application. Color display palettes aid the process of event discrimination while monitoring the video.

"PLUG & PLAY" CONNECTIVITY

Input/output options make the Centurion adaptable to both stand-alone and integrated network configurations. The Ethernet interface allows users to control the camera and view video in a web browser. The standard serial interface is ideal for integration with traditional video networks. A sophisticated software development kit (SDK) allows integrators to rapidly write build applications for custom controllers, annunciators and other third party devices.

BACKED BY THE FLIR NAME

FLIR is the world's leading supplier of infrared imaging systems for military, industrial, and law enforcement applications. FLIR's global network of service and training centers assure customers the experience, resources, and commitment they deserve.



High Quality Imagery



Isotherm Function



Detect-IR Thermal Alarm



White Hot Thermal Image



SYSTEM SPECIFICATIONS

Detector Type	Uncooled VOx microbolometer
Detector Array Resolution	320(h) x 240(v) pixels
Digital Image Dynamic Range	14-bit
Thermal Sensitivity	0.08°C (80mK)
Thermal Image Update Rate	60Hz (NTSC) / 50Hz (PAL)
Video Output	Composite NTSC or PAL, Video via embedded Web server, Optional MPEG CODEC
Automatic Gain and Level Control	5 Modes including AGC and histogram equalization. Continuous and on-demand modes
Focus	3 Modes: Fully-automatic, manual/fixed & presets
DetectIR Thermal Alarms	Up to 4 simultaneous areas and 4 points
Display palettes	Grayscale and 3 color palettes, plus user-selected polarity for each. Total of 8 palettes
Spectral Range	7.5 to 13.0 µm
Lenses	Standard: 24°(h) x 18°(v), Optional: 12°(h) x 9°(v)
Optical Resolution (IFOV)	24°: 1.38 mrad 12°: 0.69 mrad
Standard Control Interfaces	RS-232 with comprehensive command set IP/Ethernet, with built-in web server & command set
Optional Software Development Kit	SDK features ActiveX controls for RS-232 and Ethernet interfaces
Operating Temperature	-30°C to 50°C (standard)
Power Requirements	10-30VDC, 7.5W typical at 12VDC, 13W maximum 24VAC at 70W for optional heaters
Dimensions	9.25"(w) x 26.5"(l) x 9"(h)
Environmental Enclosure Specifications	IP 67, Aluminum construction, polyester powder coat finish
Certifications	FCC Class B
System Options	Pan-tilts, Software Development Kit (SDK) Other options available upon request



FLIR SYSTEMS, INC.
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