



APPLICATIONS

- Security
- Surveillance
- Border Patrol
- Force Protection
- Industrial Security
- Facility Security
- Commercial Facilities
- Urban Surveillance

The ThermoVision Integration Series (TVIS) provides a cost effective thermal imaging solution. As a complete camera system, TVIS products allow you to easily add thermal imaging capability to existing or new security system infrastructures, for commercial, industrial, and military protection applications.

A Covert Security Tool

TVIS products are built with FLIR's leading thermal technology, allowing you to detect threats without natural or artificial illumination, in all types of conditions (smoke, fog, rain, and total darkness). And by eliminating lighting, you save money and prevent "highlighting" your high value assets. TVIS gives you the maximum in covert security. Intruders won't even know they're being watched.

Outperforms CCTV & NIR Cameras

Because of its thermal imaging capability, TVIS is superior to CCTV and NIR cameras, enabling operators to see farther and react quicker to security threats. Additionally, TVIS has a lower power consumption compared to illuminated CCTV and NIR systems.

Drop-in Replacement, Simple Integration

Easy to install, TVIS is a simple drop-in replacement for systems currently employing visible cameras. TVIS is comparable in size to CCTV sensors and uses the same power and video connections, so you can easily substitute it into existing infrastructures. A sealed lens maintains the environmental ratings of the existing enclosure and eliminates the additional cost of a special infrared window.

High Value, Cost Effective Solutions

FLIR controls the entire supply chain, from detector fabrication to components to software, and offers a broad spectrum of solutions, price points, performance specifications, and configuration options. Combine this with our rapid service and support, and you get the highest value, most cost-effective security solutions.



ThermoVision™ Integration Series

Thermal Imaging Performance

Sensor type	320 x 240 VOx microbolometer
Field of view	TVIS-7: 7° x 5° TVIS-14: 14° x 10° TVIS-23: 23° x 17°
Spectral band	7.5-13.5 μm
Automatic features	Contrast, Brightness

Outputs

Video	RS170A
Connector types	BNC

Power

Power requirements	14-32VDC or 24VAC±10%
Power consumption	6W nominal, 24W startup peak, at 24VDC, at 23°C

Environmental

Mil-spec	Mil-Std-810E
IP rating	IP66
Operating temp	-32°C to +55°C (-25.6°F to +131°F)

Dimensions, Weights and Mounting

Dimensions	TVIS-7: 381mm x 132mm x 142mm (15" x 5.2" x 5.6") TVIS-14: 279mm x 132mm x 142mm (11" x 5.2" x 5.6") TVIS-23: 279mm x 132mm x 142mm (11" x 5.2" x 5.6")
Weight	<6 lbs
Mounting	Tripod (1/4-20)

Interfaces

Command and control	TVIS-7: RS232 or RS422 TVIS-14: none required TVIS-23: none required
Image display	Analog video

Included Accessories in Standard Package

Control software	Direct connect Pelco D compatible. Supplied GUI provides control over RS232 on Windows PC.
Storage transport case	Hard shell, lockable
Other accessories	AC power adapter (not for deployment)



ThermoVision Integration products' small size maintains the existing enclosure form factor without impacting environmental protection ratings.



The ThermoVision lens is sealed - no special infrared windows are required.



ThermoVision Integration Series products are easily inserted into existing enclosures and provide thermal imaging in a cost-effective package.



ThermoVision cameras use common video and power connections for simple installation.



Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.
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FLIR Systems
888.747.FLIR

Corporate Headquarters
FLIR Systems Inc.
27700A SW Parkway Avenue
Wilsonville, OR 97070 USA
p: +1 800.727.FLIR
p: +1 503.498.FLIR
f: +1 503.684.3207

www.flir.com

Santa Barbara, CA, USA
Indigo Operations
70 Castilian Drive
Santa Barbara, CA 93117
p: +1 888.747.FLIR
p: +1 805.964.9797
f: +1 805.685.2711

Boston, MA, USA
p: +1 800.GO.INFRA
p: +1 978.901.8000

Europe: United Kingdom
p: +44.1732.220011

Sweden
p: +46.8.753.2500

Canada
p: +1 800.613.0507
p: +1 905.637.5696

Middle East
p: +9714.299.6898