

ThermoVision Security[®] HD

RUGGED, COMPACT, PORTABLE MULTI-SENSOR
THERMAL IMAGING SYSTEM WITH INTEGRATED
PAN/TILT



APPLICATIONS

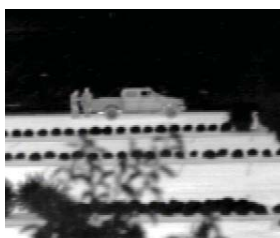
UNMANNED GROUND VEHICLES
VEHICLE VIEWER
FORWARD AREA LINE OF DEFENSE
FORCE PROTECTION
BORDER SECURITY

FEATURES

High sensitivity, long wave thermal imager
Daylight TV with 25x optical zoom
Compact pan/tilt system
Flexible remote control options
Rugged, sealed enclosure
Flexible video outputs
It's all FLIR inside

BENEFITS

See sharp imagery through total darkness, smoke, fog, and most obscurants
Powerful zoom TV with electronic stabilization facilitates daytime use for medium range identification
At less than 10 pounds and under 9 inches long, Security HD is easy to carry and mount
Can be controlled by a computer or the integrated joystick display unit, allowing for fast deployment
IP65 and MIL-STD 810E testing assures successful fielding, even in hostile climates
Integrates easily into legacy or modern networks with standard video and MPEG outputs
FLIR controls the entire supply chain on the critical technology inside ThermoVision systems ensuring fast service and long term support



Crisp thermal imagery



Powerful daylight/low light camera





ThermoVision Security® HD

THERMAL IMAGING PERFORMANCE

Sensor type	320 x 240 VOx microbolometer
Field of view 30 mm	23° x 17°
Field of view 50 mm (optional)	14° x 10°
Spectral band	7.5-13 µm

DAYLIGHT IMAGING PERFORMANCE

Resolution	Approx 680k pixels, 0.7 lux
FOVs	45° (wide end) to 2° (tele end)
Lines of resolution	470 television lines NTSC, 460 PAL
Zoom	18x optical, 12x digital zoom
Automatic features	Auto Infrared Cut filter Removal (ICR), auto focus, electronic stabilization

PAN/TILT

Az range	+/- 200°, 1-160°/sec
El range	+/- 60°, 1-80°/sec

OUTPUTS

Video	NTSC RS-170A or PAL Ethernet real-time MPEG (with Nexus option)
Connector types	Mil-C-32

POWER

Power requirements	12 - 24 VDC
Power consumption	<50 W nominal at 25°C

ENVIRONMENTAL

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

DIMENSIONS, WEIGHT & MOUNTING

Dimensions	308 d x 229 h mm (12 d x 9 h in.)
Weight	<4.6 kg (<10 lb.)
Mounting	Tripod (1/4 - 20) quick connect shoe

INTERFACES

Command and Control	RS-232; RS-422 or Ethernet (optional); Joystick display unit (optional); power in
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OPTIONS

Nexus Command and Control system	Provides network control and streaming video with a variety of alarming and automated functions
Joystick display unit	Allows for full control of the system and displays video on an integrated 6.4" TFT display (well suited to portable applications)



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