

# ThermoVision Security<sup>®</sup> 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*



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## 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)



**American  
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Network  
Corp.**

**1341 San Mateo Avenue  
South San Francisco  
CA 94080**

**phone:  
800-910-2862  
650-875-0130**

**fax:  
650-875-0129**

**www.atncorp.com**