

# ThermoVision<sup>®</sup> 2000/3000

PORTABLE, LONG RANGE THERMAL SURVEILLANCE SYSTEM



## APPLICATIONS

FORWARD AREA LINE OF DEFENSE

FORCE PROTECTION

BORDER SECURITY

COASTAL SURVEILLANCE



Wide FOV



Medium FOV



Narrow FOV (human target at 2.3 km)

## FEATURES

Mid and large format, high sensitivity Quantum Well Infrared Photo detector (QWIP)

3 fields of view

Auto-focus in IR

Resists laser aggression weapons

Portable and rugged

Standard video outputs

IP addressable

Multiple remote control options

Advanced image processing algorithms

It's all FLIR inside

## BENEFITS

Get extreme long range detection (> 20 km in large format) and excellent image quality, even through smoke and dust

Provides fast situational awareness, with lens changes at a fraction of a second

Reduces operator workload

Ensures operation in hostile locations

Fast set up in the field and mounts on a common tripod

Connects easily to legacy networks or a common monitor

Supports a variety of outputs including jpeg stills, Real Time Player, or an optional 14bit digital firewire video

Camera settings are controllable from the network using a Windows based program, or can be configured for "set it and forget it" use. A simple, rugged handheld remote control option for portable installations is included

Several advanced image enhancements, like Digital Detail Enhancement (DDE), assure clear, properly contrasted imagery even in scenes with hot targets and low contrast backgrounds where blooming can be a problem (battlefield conditions)

FLIR controls the entire supply chain for the critical technology inside ThermoVision systems ensuring fast service and long term support





## ThermoVision® 2000/3000

### THERMAL IMAGING PERFORMANCE

Sensor type	
ThermoVision 2000	320 x 240 QWIP
ThermoVision 3000	640 x 480 QWIP
Number of fields of view	3
Wide FOV	25° x 19°
Medium FOV	6° x 4.5°
Narrow FOV	0.99° x 0.74°
Wide FOV (640 x 480)	25° x 19°
Medium FOV (640 x 480)	7.8° x 5.8°
Narrow FOV (640 x 480)	1.3° x 0.96°
E zoom	2x, 4x
Spectral band	8-9.2 µm

### OUTPUTS

Video	NTSC or PAL Video, 14 bit Digital Image Data
Connector types	BNC, Firewire (optional)

### POWER

Power requirements	18-35 VDC
Power consumption	31 W (140 W with heater)

### ENVIRONMENTAL

Mil-spec	EMI/EMC 461D
IP rating	IP 65 IEC 529
Operating temp	-32°C to 55°C (-26°F to 131°F)

### DIMENSIONS, WEIGHT & MOUNTING

Dimensions	503 x 312 x 267 mm (19.8 x 12.3 x 10.5 in.)
Weight	18 kg (39 lb.)

### INTERFACES

Command and control	RS 232, 485, Ethernet TCP/IP
Optional	Firewire

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