

MilCam[®] Sentinel[™]

24-HOUR PERIMETER SURVEILLANCE
CAMERA STATION



APPLICATIONS

FORCE PROTECTION
PERIMETER SECURITY
NIGHT OBSERVATION

FEATURES

High sensitivity, longwave thermal imaging sensor
New 5/20 degree dual field of view optics
Auto focus
STACE[™] Image Processing
Powerful daylight/low light TV
Pelco D[®] compatible
Built-in Test (BIT)
Rugged, sealed enclosure
Built-in defrost
Object Video compliant

BENEFITS

Detect targets at range, in total darkness, through smoke and most battlefield obscurants
Obtain fast situational awareness and detect man size targets at 2.6 km
Produces sharp imagery between zoom settings, reduces operator workload
Delivers unmatched range performance and image quality with built-in STACE[™] technology that digitally sharpens, tunes and enhances contrast for exceptional image detail
Provides additional tactical advantage and long range observation during daylight operation
Allows for easy adaptation to existing Pelco network installations
Intelligent self test confirms that the system is operating optimally
Take confidence in ThermoVision, with hundreds of systems fielded with TASS and in other harsh climates
Keeps the lens clear in cold climates
Supports intelligent video motion detection with Object Video software products



Crisp imagery in Narrow FOV



Fast situational awareness in Wide FOV



MilCam® Sentinel™

THERMAL IMAGING PERFORMANCE

Sensor type	320 x 240 VOx Microbolometer
Number of fields of view	2
Wide FOV	20.0° h x 15.0° v
Narrow FOV	5.0° h x 3.75° v
E-zoom	Continuous to 4x
Spectral band	7.5, 13 µm
Automatic features	Auto focus, STACE™ digital detail enhancement, color palettes, built-in defrosting system

DAYLIGHT IMAGING PERFORMANCE

Sensor type	1/4" CCD 48° to 2.7° Continuous
Lines of resolution	460 television lines NTSC, 470 television lines PAL
Automatic features	Auto focus, advanced image processing enhancements

SYSTEM FEATURES

Remote Control	On/off power save feature
Automatic Heater	Separate power supply supports arctic climate use
Built in Test (BIT)	Intelligent self diagnostics tests vital functions
Pelco D® Compliance	Supports Pelco D® communication protocol for camera control

OUTPUTS

Video	NTSC (RS-1170) or PAL (CCIR), 14 bit digital thermal image data transfer via serial interface
Connector types	RS-232, BNC (2)

POWER

Power requirements	18-32 VDC
Power consumption	10 W (average)

ENVIRONMENTAL

Mil-spec	MIL-STD-461D
IP Rating	IP 65, NEMA 4
Operating temp	-32°C to 55°C (-26°F to 122°F)
Storage temp	-40°C to 70°C (-40°F to 158°F)

DIMENSIONS, WEIGHT & MOUNTING

Dimensions	270 x 230 x 180 mm (11" x 9" x 7")
Weight	6 kg (13 lb.)
Mounting	2 @ 1/4-20 mounting holes

INTERFACES

Command and Control	RS 232
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CORPORATE HEADQUARTERS

FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
PH: +1 800.727.3547

BOSTON

FLIR Systems, Inc.
25 Esquire Road
North Billerica, MA 01862
PH: +1 800.464.6372

HUNTSVILLE

FLIR Systems, Inc.
Huntsville, AL USA
PH: +1 256.325.3547

PITTSBURGH

FLIR Systems, Inc.
Freeport, PA USA
PH: +1.724.295.2880

WASHINGTON, D.C.

FLIR Systems, Inc.
2800 Crystal Drive, Suite 330
Arlington, VA 22202 USA
PH: +1 703.416.6666

EUROPE

FLIR Systems Ltd.
West Malling, Kent
United Kingdom
PH: +44.1732.220011

CANADA

FLIR Systems Ltd.
Burlington, ON
Canada
PH: +1 800.613.0507

SWEDEN

FLIR Systems AB
Täby, Sweden
PH: +46.8.753.2500

MIDDLE EAST

FLIR Systems Middle East, FZCO
Dubai Airport Free Zone
PH: +9714.299.6898

www.flir.com/GS

STACE™
Digital Image Enhancement

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Extraordinary Vision