

# ThermoSight™ FCS

ADVANCED THERMAL IMAGING SIGHT FOR  
VEHICLE GUNNER AND COMMANDER



## APPLICATIONS

SURVEILLANCE

RECONNAISSANCE

FORWARD OBSERVATION

TARGET RECOGNITION

FIRE CONTROL

## FEATURES

Dual field of view telescope with digital zoom

High resolution, large format 640 x 480, mid-wave InSb sensor

Focus memory

Compact, lightweight and rugged

Optical/sensor assembly

Maintenance

It's all FLIR inside

## BENEFITS

Fields of view optimized for high performance in detection, recognition and identification

Delivers unmatched image quality with built-in image processing that digitally sharpens, tunes and enhances contrast for exceptional target detail

Eliminates the need to refocus when switching between fields of view

Compatible with M36T1 Sight in existing space claim in 40/50 turret. Drop-in-solution

Single module providing simple and accurate bore sighting for increase target accuracy

Built-in-test enabled and easy access to purge ports, tool free installation and removal

FLIR controls the entire supply chain on the critical technology inside FCS thermal imager systems ensuring fast service and long term support





## ThermoSight™ FCS

### THERMAL IMAGER

Sensor Type	MWIR, Indium Antimonide (InSb)
Detector Resolution	640x480
Spectral Band	3.4-5.1 $\mu\text{m}$

### IR TELESCOPE

F/Number	4.0
Dual Field of View	
Wide FOV	9° h x 6.7° v
Narrow FOV	3° h x 2.2° v
Digital Zoom	2X
Automatic features	Auto Gain/Level, Detail Digital Enhancement (DDE)

### SYSTEM POWER REQUIREMENTS

Power Source	9-28 VDC
Current Draw at Start-up	1.5 Amps @ 24Vdc
Current Draw at Steady State	0.7 Amps @ 24Vdc
Power at Steady State	36 Watts
Fuse System @	2 Amps

### MECHANICAL / ENVIRONMENTAL

Weight	18 lbs.
Size (inches)	6.4 L x 13 H x 10 W
Operational Temp Range	-40°C to 60°C



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