

ThermoVision® SA40, SA63, SA90

ULTRA WIDE ANGLE THERMAL IMAGER FOR VEHICLE
SITUATIONAL AWARENESS AND FORCE PROTECTION



APPLICATIONS

VEHICLE SITUATIONAL AWARENESS

FORCE PROTECTION

PERIMETER SECURITY

FEATURES

High resolution LWIR uncooled thermal sensor

Visible color TV camera

Advanced electronics design

Local Area Processing

Auto gain and level (AGC)

Small package size

BENEFITS

Penetrates obscurants, outstanding image quality

Improves detection of suspicious activity under all visibility conditions

Optimizes the information presented to the user and minimizes power consumption

Provides image quality enhancements via spatial edge enhancement and dynamic range enhancement

Provides operator with optimized imagery automatically

One or multiple SA Modules can be strategically placed around vehicle perimeter for optimal situational awareness





ThermoVision® SA40, SA63, SA90

THERMAL IMAGING PERFORMANCE

Sensor Type	VOx Microbolometer
Spectral Band	7.5 – 13.5 μm
Automatic Features	Contrast, brightness, non-uniformity correction

VISIBLE IMAGING PERFORMANCE

Sensor Type	CMOS Image Sensor
Spectral Band	Typical 0.4 μm to 0.7 μm
Automatic Features	Contrast and brightness
FOV	Matched to IR Camera

OUTPUTS

Video	NTSC or PAL Analog video output
-------	---------------------------------

POWER

Power Requirements	12 VDC to 32 VDC
--------------------	------------------

ENVIRONMENTAL

Operating temp	-32°C to 55°C (-26°F to 131°F)
Storage temp	-50°C to 65°C (-58°F to 149°F)

DIMENSIONS, WEIGHT, & MOUNTING

Dimensions	5.25" x 3.78" x 5.38"
Weight	< 5 lbs
Mounting	Adaptable to all military vehicles

SPECIFICATION	SA40	SA63	SA90
FPA	640 x 480	640 x 480	320 x 240 or 640 x 480
FOV	41°	63°	90°

CORPORATE HEADQUARTERS

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

BOSTON

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

HUNTSVILLE

FLIR Systems, Inc.
675 Discovery Drive
Suite 103
Huntsville, AL 35806
USA
PH: +1 256.325.3547

WASHINGTON, D.C.

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

EUROPE

FLIR Systems Ltd.
2 Kings Hill Avenue
West Malling, Kent
ME19 4AQ
United Kingdom
PH: +44.1732.220011

CANADA

FLIR Systems Ltd.
5230 South Service Road
Suite 125
Burlington, ON L7L 5K2
Canada
PH: +1 800.613.0507

SWEDEN

FLIR Systems AB
Rinkebyvagen 19
P.O. Box 3
SE-182 11 Danderyd
Sweden
PH: +46.8.753.2500

MIDDLE EAST

FLIR Systems Middle East
FZCO
Unit C-13
Dubai Airport Free Zone
P.O. Box 54262
Dubai
United Arab Emirates
PH: +9714.299.6898

www.flir.com/GS



EXPORT