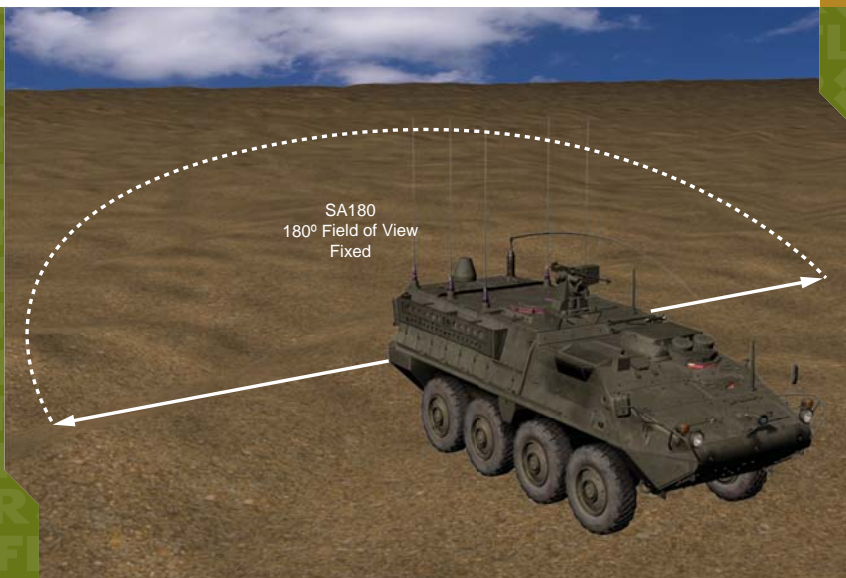


ThermoVision® SA180

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



APPLICATIONS

VEHICLE SITUATIONAL AWARENESS

FORCE PROTECTION

PERIMETER SECURITY

BORDER & COASTAL SURVEILLANCE

FEATURES

180° x 45° thermal imager for viewing
either large areas or immediately
surrounding armored vehicles

Dual LWIR and CCD-TV

Small, lightweight and rugged

Quick and simple deployment

Optional 360° viewer capability

Slew-to-cue

Long Range Detection

BENEFITS

The SA180's ultra wide field of view offers continuous
security coverage that no pan/tilt can provide

Detect intruders and threats in total darkness, fog,
smoke, and most obscurants

At around 12 pounds and less than 12 inches wide,
the SA180 is compact and easy to install

Uses 12-28 VDC which is typically found on all
vehicles. Single D38999 connector interface

Connect two SA180 units for 360° viewing, ideal for
vehicle applications

SA180's broad scene coverage is ideal to cue a long
range sensor to areas where motion is detected

With its high resolution, large format sensors, the
SA180 can detect a human at over 500 meters
(when digital zoom used)



With a 180° field of view, the SA180 is well suited for vehicle applications



SA180's 180° view offers expansive situational awareness



Couple two SA180's together for 360° viewing



ThermoVision® SA180

THERMAL IMAGING PERFORMANCE

LWIR Sensor type	640 x 480 VOx microbolometer x3, total resolution 1920 x 480
Field of view	180° h x 45° v
Spectral band	7.5 µm to 13.5 µm
Automatic Features	Contrast, brightness, NUC

VISIBLE IMAGING PERFORMANCE

Sensor type	640 x 480 CMOS Image Sensor x3, total resolution 1920 x 480
Field of view	180° h x 45° v
Spectral band	0.4 µm to 0.7 µm
Minimum Sensitivity	0.05 Lux
Automatic Features	Contrast, brightness

OUTPUTS

Outputs	Selectable Visible or LWIR
Video	RS 170A (x2) or up to 14 bit digital video over IP

POWER

Power requirements	12 to 32 VDC
Power consumption	12 W Nominal

ENVIRONMENTAL

Mil-spec	MIL-STD-810F
IP rating	IP66
Operating temp	-32°C to 55°C (-25.6°F to 131°F)
Storage temp	-50°C to 65°C (-58°F to 149°F)

DIMENSIONS, WEIGHT & MOUNTING

Dimensions	267 x 106 x 213 mm (10.5 x 4.2 x 8.4 in)
Weight	5.7 kg (12.5 lbs)
Mounting	4 x 0.375" through holes

INTERFACES

Command and Control	RS-422 or 100 Mbit Ethernet
Image display	Real time on PC or dedicated monitor

OPTIONS

Joystick controller	Provides for basic command and control
Display unit	10.4" ruggedized, color, LCD display
Interface cables	Allows for basic camera installation

TRANSPORT

Storage/transport case	Hard shell, lockable with fitted foam insert
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