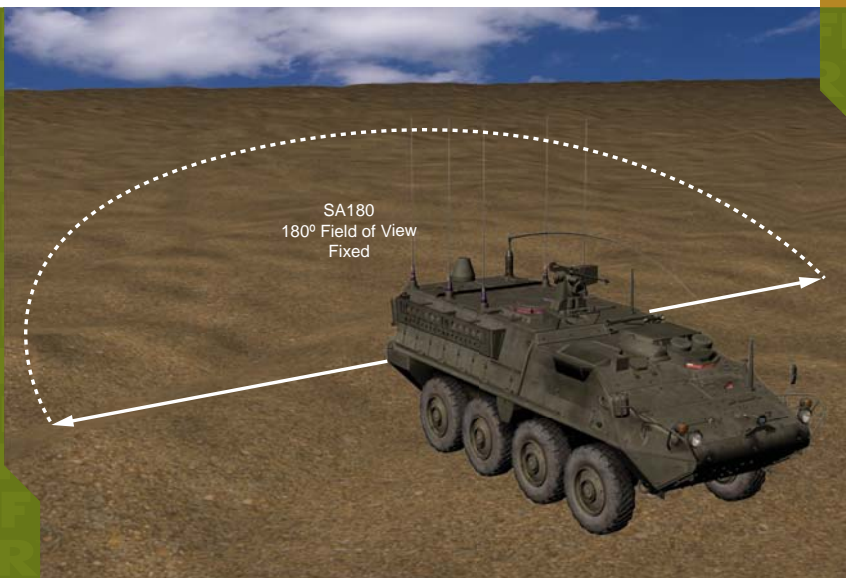


ThermoVision® SA180

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

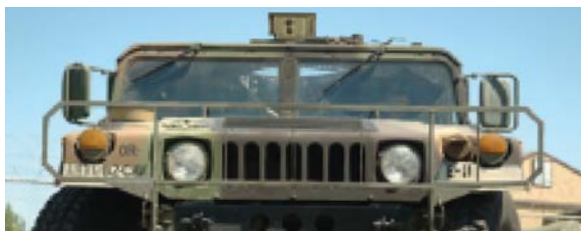
At 12.5 pounds and less than 12" wide, the SA180 is compact and easy to install

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

Connect two SA180's 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



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

VISIBLE IMAGING PERFORMANCE

Sensor type	640 x 480 CMOS Image Sensor x3, total resolution 2304 x 485
Field of view	180° h x 45° v
Spectral band	450 nm to 1050 nm
Minimum Sensitivity	0.5 Lux
Automatic Features	Contrast and Brightness

OUTPUTS

Video	Selectable Visible or LWIR RS 170A (x3) or up to 8 bit digital video over IP
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POWER

Power requirements	12 to 32 VDC
Power consumption	28 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 lb.)
Mounting	Tripod, wall, vehicle and pole mount

INTERFACES

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

OPTIONS

Basic Unit (Standard)	Video output direct to three (3) displays for high resolution 180° display
Display Package	Single custom display with Image Stitching, Pan and Zoom

TRANSPORT

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