

# TacSight SE35

The critical tool  
in your arsenal.

Take charge with one of the most valuable tools  
for law enforcement: TacSight SE35 Thermal Imager.



## Built for Your Mission

The TacSight SE35 thermal imager enables law enforcement personnel to see heat signatures of objects, people and other sources. It detects extremely small differences in temperature, so officers can distinguish people from their immediate surroundings. Needing no light to operate, the TacSight SE35 generates high-quality images on the darkest nights, even through smoke and fog. While darkness and camouflage can defeat night vision, suspects cannot hide from thermal imaging. Their own body heat gives them away.

The TacSight SE35 is a powerful tool for tactical, surveillance and scene assessment applications.

## Extreme Performance

The TacSight SE35 utilizes the latest thermal imaging technology. Its advanced infrared engine incorporates an ultra-high resolution focal plane array that enables maximum clarity for distinguishing objects and features at long distances.

## Highlights

- Small and compact
- Tough and completely waterproof
- High performance imagery
- Latest features designed for law enforcement
- Interoperable with thousands of Bullard thermal imagers and accessories
- Only Law Enforcement thermal imager with versatile accessories



## Advanced Detail

### 4X Digital Zoom

The TacSight SE35 features 4X Digital Zoom, providing maximum human form detection at 1000 meters. Versatile as a tactical tool, the SE35 becomes a long-range nighttime surveillance tool in zoom mode.



### Switchable Polarity

The ability to switch from a "white hot" to a "black hot" image helps illuminate details that might otherwise be misinterpreted or missed altogether.



White Hot



Black Hot

### Display Dimming

In situations where stealth is required, the display can be dimmed or turned off to prevent detection.

### Variable Focus

The Variable Focus feature allows the SE35 to resolve objects from 1/2 meter out to infinity.



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## Technical Specifications



### Overall TI Unit

Weight	With battery 3.5 lbs (1.6 kg) Without battery 2.9 lbs (1.3 kg)
Dimensions	Height : 6" (152 mm) Length : 4 1/4" (108 mm) Width : 7 1/2" (190mm)
Water Resistance	IP65
Impact	No permanent functional damage 2 meter drop

### Casing

Shell Material	Ultem® Thermoplastic
Sealing	Silicone and Neoprene
Strap Material	Kevlar®
Display Cover	Polycarbonate (hardcoated)
Lens Cover	Germanium (2 mm thick)

### Core/Detector

Type	Uncooled Microbolometer with Digital Processing
Resolution	320 x 240 array
Sensing Material	Amorphous Silicon (aSi)
Spectral Response	8 - 14 Microns
Operating Range	-10° – +50°C
Update Rate	30 Hz
Temperature Sensitivity	0.05°C
Video output	NTSC
NETD	<50 mk
Pixel Pitch	25 um

### Lens (Standard)

Material	Germanium
Lens Size	35 mm
Field of View	13° x 9.8°
Focus	18 inches (1/2 meter) to infinity
Speed	f / 1.0
Human Detection	1000m
Vehicle Detection	2000m

### Electrical System

Power Source	NiMH Rechargeable Battery or Alkaline Batteries (8 cells)
Output Capacity	10V Nominal 1600 mA.hr
Operating Time	3 Hours Nominal
Start Up Time	30 Seconds Nominal
Charger Single Battery	120 VAC or 12 VDC
Switch Cycle Test	1,000,000 cycles
Battery Life	1,000 charge cycles
Battery Weight	0.6 pounds (9.5 oz) (270 g)
Recharge Time	1 hour nominal

### Display

Type	Liquid Crystal Display (LCD)
Size	3.5" Diagonal (52.4 x 71.76 mm) TFT Active Matrix
Dot Pitch	188 mm (V) x .160 mm (H)
Dot Format	960 X 234 Dots
Pixels	224,640
Pixel Configuration	R-B-G Delta Configuration
Input Signal Level	1.0V P-P (Positive) 75 ohm
Back Light	LED
Brightness	250 cd/m2
Viewing Angle	Left/Right=50°, Up=15°, Down=35°
Contrast Ratio	350

### Transmitter

Mounting	External
Signal Type	Analog
Antenna Type	Dipole
Transmitting Frequency	2.4 GHz
Power Output	700 mW
Power Supply	Internal
Power Consumption	3.5 W
Frequency Selection	2 Channel Switch
FCC License	Part 90

## Accessories



TacScope



SceneCatcher  
and Transmitter



Alkaline Battery Pack



TacPort



MobileLink

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