



# Sentinel VX | LITE

## COTS solutions for security operations

The Sentinel VX Lite features thermal surveillance capabilities that will reinforce existing security measures, adding a further layer to early detection and persistent surveillance.

For deployed forces and law enforcement professionals in the field, the ability to identify an unknown target is critical for safety and mission execution. The same is true for border control or coastguards patrolling lengths of coastline and territorial waterways.



DAY /  
NIGHT



H264



ZOOM 30X



COMPACT



SUPERIOR  
SENSOR



30FPS

### Land Based Applications

- Mobile Security
- Border Control
- Tactical Reconnaissance
- Force Protection
- Law Enforcement

### Ready for quick deployment

- ▶ Compact and lightweight at 9.5 lb (4.3 kg)
- ▶ Power from 12/24 VDC power packs or solar panels

### Remote surveillance

- ▶ GPS and altimetry modules
- ▶ Multi-touch display
- ▶ Video tracker\*
- ▶ Direction and laser range finder\*

### Reliable long-range remote border surveillance

- ▶ Cost effective and feature packed
- ▶ Invisible curtain of surveillance with infrared thermal sensing
- ▶ All weather performance, day and night

# Sentinel VX Lite Specifications

Part No: SVX-1024-LITE

Sensor Type	Thermal Camera aSi LWIR 1024x768 microbolometer FPA	Color Camera 1/2.8 type 2.13MP CMOS color camera 1920 x 1080 pixels	
Spectral Response	8-14μm	Visible light	
Sensitivity	50mK nominal	0.1 lux (0.01 lux - High sensitivity mode)	
Frame Rate	30 fps		
Optics			
Zoom Option	Fixed	Wide	Tele
Field of View (HxV)	13.2°x 9.9°	63.7° x 35.8°	2.3° x 1.3°
Zoom Option	4X digital zoom	30X optical zoom 12X digital zoom	
Detection Range*	Up to 3 mi (5 km)		
Focus Method	Automatic, manual and one-touch auto		
Video			
Output Format	NTSC or PAL/IP (ONVIF)		
Contrast / Brightness	Automatic or manual	Automatic or manual	
Pseudo Color	Optional	Full color, B/W	
Power Requirements			
Input Voltage	12/ 24 VDC or 100/110/220/230 VAC (Customer to specify)		
Power Consumption	<45 W nominal		
Environmental			
Operating Temperature	-4°F to +140°F (-20°C to +60°C )		
Storage Temperature	-40°F to +185°F (-40°C to +85°C)		
De-icing	Optional Heater (Customer to specify)		
Weatherproofing	IPX5		
Physical			
Size	11 in x 11.8 in x11.8 in (280 mm x 300 mm x 300 mm) H x W x D		
Color	White, Grey or Olive Green (Customer to specify)		
Weight	9.5 lb (4.3kg) - Dependent on payload		
Pan / Tilt			
Motor Type	Brushless		
Pan Azimuth Range	±360° (Continuous)		
Pan Speed Range	40°/s		
Tilt Elevation Range	±110°		
Tilt Speed Range	40°/s		

\*Subject to environmental conditions & based on NATO target (7.5 ft x 7.5 ft) / (2.3 m x 2.3 m)

## Note:

1. Due to our policy of continual improvement, specifications may change without prior notice.
2. System must not be used in replacement of human observation.



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