

## FEATURES

### System

- IP Network Video & Control
- Built-in Health and Status Monitoring
- Multiple Command Protocol:  
PelcoD, TASS, ONVIF, Subsystem Pass

### Thermal Imaging Camera

- 18X Continuous Optical Zoom
- 32° to 1.8° Horizontal Field of View
- F/4.0 High Sensitivity Zoom Lens
- Auto Focus
- Cooled 3-5µm MWIR Detector
- 640 x 512 pixels Focal Plane Array
- Multiple Command Protocol
- Environmentally sealed IP67
- Target Detection:  
Man > 11km, Vehicle > 25km
- Image Processing
- Edge Enhancement
- Optional SDI Digital Video Output

### Visible Spectrum Camera

- 30X Optical, 12X Digital Zoom
- Full HD 1080p60 2 MPx Detector
- Wide Dynamic Range (WDR)
- Defog Function
- Electronic Image Stabilization
- Day/Night Auto ICR
- 0.002 Lux Minimum Illumination

### Integrated Positioning System

- High Speed Direct Drive
- 16-bit Position Sensing
- Fastest 300°/second Motor Speeds
- 0.1° Accuracy
- 0.01° Repeatability
- Hundreds of On Board Presets
- Supports External Preset Data

**SENSPEX**  
Applied Science & Technology

## SPX-300 Mid-Range Multi-Sensor System

The SPX-300 is designed using cutting edge digital imaging technology to create a dual sensor network camera system that supports both existing analog video installations and modernized digital video systems. The system supports technology modernization programs as well as legacy surveillance programs. The SPX-300 integrated electro-optical camera system uses a state-of-the-art high definition thermal imaging and visible spectrum cameras to enable the detection of man-sized targets at distances exceeding 11km, combining high-end performance with unparalleled long-range target detection, reliability and ease of use. The SPX-300 features a super long-life High Operating Temperature thermal imaging sensor exhibiting up to 25,000 operating hours, a high speed direct-drive positioning system, and it is fully supported by Senspex's exclusive service and repair center for rapid repair.



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## System Specifications

<u>Video Formats</u>	Analog NTSC/PAL, CVBS, Differential UTP; Digital IP: HVEC/H.265, H.264, MJPEG; RTP; RTSP; ONVIF
<u>Control Interface</u>	RS232/422/485, HTTP/TCP/IP, ONVIF Pelco D, TASS, Subsystem pass-through
<u>Presets</u>	Hundreds of onboard presets, supports external preset data transfer
<u>Housing</u>	IP67 rated, sealed & dry Nitrogen backfilled, lens defrosters
<u>Environmental</u>	MIL-STD-810H
<u>Operating Temp</u>	-32°C to 55°C
<u>Storage Temp</u>	-40°C to 70°C
<u>Power</u>	18 - 26 VDC / 200 W max
<u>Weight</u>	~70 lbs. (31 kg)
<u>Dimensions</u>	20" (L) x 19" (W) x 21"(H)
<u>Part Number</u>	SD Thermal Imager: 950074-00

## Vector-50 Pan & Tilt Positioner

<u>Drive</u>	Direct Drive Servo
<u>Pan Range</u>	360° Continuous
<u>Pan Speed</u>	<0.1 to >300 °/sec
<u>Tilt Range</u>	±60°
<u>Tilt Speed</u>	<0.1 to >300 °/sec
<u>Precision</u>	16-bit encoding
<u>Accuracy</u>	±0.1°
<u>Repeatability</u>	±0.01°

## Thermal Imaging Camera

<u>Detector</u>	640 x 512, 15µm pitch
<u>Spectral Band</u>	3 µm – 5 µm
<u>Resolution</u>	SD Option: 640x512 px
<u>Cooler Lifetime</u>	20,000 operating hours* *Typical test result, actual life depends on operating pattern and conditions
<u>Warranty</u>	2 years
<u>Lens Type</u>	Continuous Zoom, 22 - 300mm
<u>Field-of-View</u>	(WFOV - NFOV) 32° x 24° to 1.8° x 1.4°
<u>Lens Features</u>	Motorized Remote Operation Auto and Manual Focus 18x Continuous Optical Zoom

## Visible Spectrum Camera

<u>Sensor</u>	1/3" HD CMOS
<u>Resolution</u>	1920x1080; 2 MPx
<u>Zoom Ratio</u>	Continuous Zoom 30X Optical, 12X Digital
<u>Field of View</u>	63.7° wide to 2.3° narrow (Optical HFOV)
<u>Signal to Noise</u>	>50 dB
<u>Min Illumination</u>	0.013 Lux ICR-On 30 FPS 0.002 Lux ICR-On 1/4 FPS
<u>Features</u>	Day Night ICR, Wide Dynamic Range, Defog, Noise Reduction, Image Stabilization, Motion Detection

Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice.

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