SENSPEX
APPLIED SCIENCE & TECHNOLOGY

DETECT / TRACK / SUPPORT

CLOSE-RANGE AWARENESS
COMPACT PERFORMANCE

APEX30

CLOSE-RANGE MULTI-SENSOR SYSTEM



MWIR / LWIR
Configurable thermal imager lens options to match your mission.

LASER OPTIONS
Configure with optional laser ranging or illumination capabilities.

AI-POWERED
Advanced processor designed for demanding video and AI workloads.

DYNAMIC STABILIZATION
Active Electro-Mechanical Stabilization engineered to handle real-world conditions.

MARITIME
COASTAL & NAVAL

DEFENSE
BORDER & BASE

TRAINING
VIDEO & SUPPORT

DETECTION	RECOGNITION	IDENTIFICATION
13 km	4 km	2 km

* Human Target 1.8 × 0.5 m · Critical dimension (CD): 0.95 m
* DRI provided for the 290mm MWIR Lens Option

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OPS-BRO-0047
REV 1 - 11 NOV 2026

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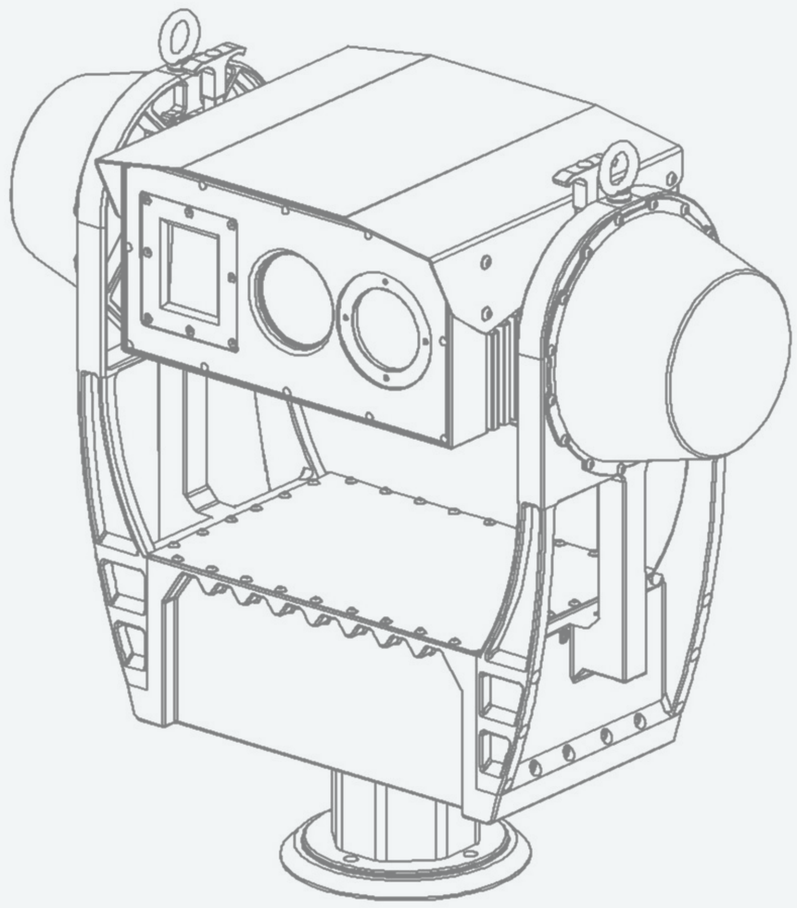
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TECHNICAL SPECIFICATIONS

	DETECTION	RECOGNITION	IDENTIFICATION
LWIR	4 km	1 km	0.5 km
MWIR	13 km	5 km	4 km

* Human Target 1.8 × 0.5 m · Critical dimension (CD): 0.95 m



SYSTEM CONTROL & VIDEO-PROCESSOR

Video Formats	Digital IP: HEVC/H.265, H.264, MJPEG, RTP RTSP; ONVIF
Control Interface	422/485, HTTP/ TCP/ IP, ONVIF, Pelco D, TASS, Sub-System Commands
Embedded Software Modules	Moving Object Detection, Motion Analytics, Target Tracking, Target Recognition & Classification, Edge Enhancement, LAP/LACE Scene Enhancement

ISR X50 HIGH-SPEED POSITIONER

Pan Speed	0.01° to 300°/sec
Pan Angle	Continuous 360°
Tilt Speed	0.01° to 300°/sec
Tilt Angle	+90° / -60°
Position Resolution	18-bit; 0.0014°
Position Repeatability	±0.001°
Position Accuracy	±0.004°

OPERATIONAL OVERVIEW

Operating Power	16 - 32 VDC, 240 W (max)
Operating Temperature	-26°F to +131°F | -32°C to +55°C
Storage Temperature	-40°F to +158°F | -40°C to +70°C
Weight	~ 70 lbs | 32 kg
Dimensions	11" (L) x 24" (W) x 23" (H)
	28 cm (L) x 61 cm (W) x 58 cm (H)
Environmental	MIL-STD-810H

LWIR THERMAL IMAGER OPTION

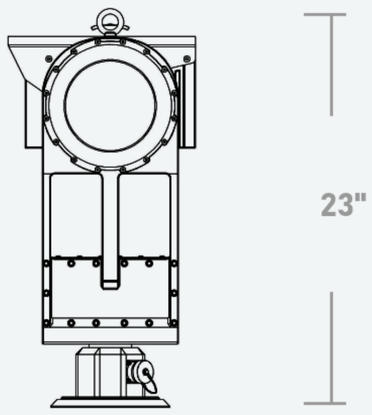
Type (Standard Option)	Uncooled LWIR VOx microbolometer
Lens	F/1.2, 14-75 mm Continuous Zoom
Resolution	SD Option: 640x512 px 12 µm
Field-of-View	30° x 24.8° Wide 5.9° x 4.7° Narrow

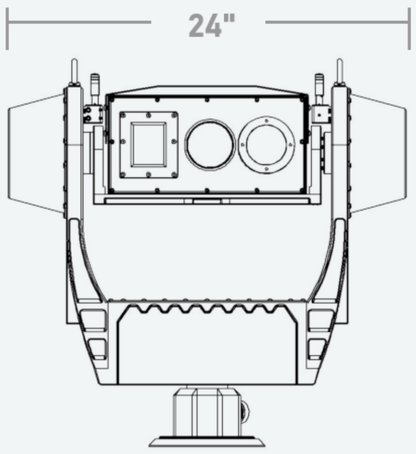
MWIR THERMAL IMAGER OPTION

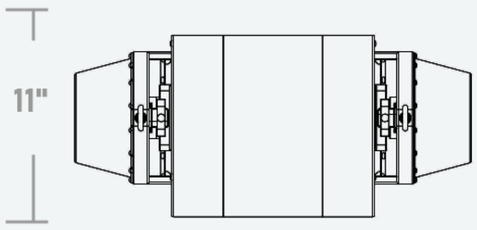
Type (Optional)	Cryo-Cooled MWIR HOT
Lens	F/5.5 19-290 mm Continuous Zoom
Resolution	SD Option: 640x512 px 12 µm
Field-of-View	27° x 21.6° Wide 1.9° x 1.5° Narrow

VISIBLE SPECTRUM CAMERA

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







FIELD-PROVEN. MISSION-READY.

Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice.
Export is subject to US Government regulations.

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