CONTROP

SPEED-ER

Extended-Range EO/IR System for Strategic Stationary Surveillance

The SPEED-ER is CONTROP's high-performance, stationary EO/IR system, built for 24/7/365 mission-critical surveillance, targeting and C-UAS operations.

Equipped with long range thermal and daylight cameras and advanced SWIR capability , SPEED-ER delivers exceptional image clarity across long distances — even through fog, haze, smoke, and rain. Its superior line-of-sight stabilization ensures rock-steady visuals, even at extended zoom.

SPEED-ER features AI-powered video analytics, an advanced tracker for air, maritime and ground threats, and open architecture for system-of-systems integration. Optional add-ons include laser illuminators and other sensor modules, making it fully adaptable to evolving mission needs.

Whether securing borders, coastlines , critical infrastructure, or military installations, SPEED-ER offers long-range precision, reliability, and unmatched situational awareness in a rugged, battle-proven platform.

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Electro-Mechanical

Type:	2 Gyro-stabilized (2 Axes)
Field of Regard:	Horizontal: n x 360° (continuous) -35° to 70°

Thermal Imaging (TI) Sensor

Sensor Type:	3rd generation, Staring Array, InSb, Digital
Spectral Range:	3.6 – 4.2 µm
FPA:	640x512
Lens:	Continuous Optical Zoom Lens x30
Field of View:	Horizontal Narrow 0.4°

SWIR Sensor

Sensor Type:	Staring Array InGAs, Digital
Spectral Range:	0.9-1.7 µm
FPA:	640x512
Lens:	Continuous Optical Zoom x5
Horizontal NFOV:	0.22° (2500mm focal length)

WFOV Color Day TV Sensor

Resolution:	1920 x 1080 (768 x 576 effective pixels)
Horizontal FOV:	60° (WFOV) continuous to 1°(NFOV)

NFOV Color Day TV Sensor

Resolution:	1920x1440 (768 x 576 effective pixels)
Horizontal FOV:	Dual FOV lens 0.8° and 0.2°

Laser Rangefinder

Type:	Eyesafe, Class 1
Wavelength:	1.54 µm
Range:	Up to 20 Km

Laser Pointer

Wavelength:	0.8 µ

Physical Characteristics

TI LRU Weight:	31kg
Day LRU Weight:	18kg
Gimbal Weight:	35kg

Electrical Interface

Voltage:	220 VAC
Power Consumption:	500 Watt (max)
Video Outputs:	GigE

Environmental Conditions

Temperature:	-10° to 55° C
Humidity:	Up to 95% (non-condensing)

KG 90 kg

Radar

Control Unit

Command & Control Systems

Features

Automatic Detection

Superior Gyro-stabilized Image

Multi-Spectral Imaging

Advanced Image Processing

Integrated with complementary components

Optional

Eyesafe Laser Range Finder (LRF)

Control & Display Unit (CDU)

Digital Video Recorder (DVR)

Image Processing

Local and Global AGC

Advanced Video Enhancement

ATR- Auto Target Recognition (optional AI capabilities)

VMD- Video Motion Detection

Advanced ground, maritime & aerial target tracker

ATIR- Anti Turbulence Image Recognition

Pseudo Color Ti