



TRAILER-BASED MOBILE SURVEILLANCE SYSTEM

FLIR Cerberus™

Cerberus is a rugged, trailer-based integrated long-range mobile surveillance system that rapidly deploys in austere and environmentally challenging environments to provide unmanned remote perimeter surveillance for weeks at a time. Available in multiple range configurations, Cerberus also networks its sensors with other Cerberus units, FLIR vehicles, and command and control nodes, providing unparalleled wide area perimeter security capability.

Built to support force protection, border surveillance, ISR, and target tracking as well as long-range perimeter security, Cerberus integrates radar and visible/thermal camera payloads ranging up to 30 km with slew-to-cue of cameras to radar tracks. Laser designator, laser rangefinder, laser pointer, and illuminator provide other personnel, vehicles, and C2 systems with target bearing and geo-reference coordinates to identify precise location and direction of the target

FEATURES

WIDE AREA SITUATIONAL AWARENESS

HD EO/IR and FMCW radar provide 360° long-range threat detection out to 30 km.

HD CAMERA WAVELENGTH OPTIONS

Combine mid-wave infrared (MWIR) with visible/lowlight cameras, near IR and/or SWIR to cover up to four spectral bands.

INTEGRATED COMMAND & CONTROL

Cameleon™ Tactical tracks blending of multiple sensors, slew-to-cue of camera to radar, mapping functionality, zone management, video archiving/distribution and alarms.

MULTIPLE POWER OPTIONS

Run Cerberus on a generator, battery, shore power, or solar power.

CONTINUOUS PERIMETER SECURITY

Detect and track more than 500 targets simultaneously with radar, and identify and classify threats with imaging sensors.

APPLICATIONS

AIRPORT SECURITY

MILITARY FLIGHT LINE SECURITY

PORT SECURITY

PETROCHEMICAL FACILITY PROTECTION

CRITICAL INFRASTRUCTURE PROTECTION

PIPELINE SECURITY

BORDER SECURITY

SPECIFICATIONS

Radar Options

FMCW and Doppler options, Ka and X band, ranging from 700 m to 60 km

Camera Options

Field of View (FOV) 0.5 degrees to 40 degrees

Focal Length 13 mm to 1200 mm

Camera Wavelength Options

High Definition Imaging High Definition (HD) Mid-Wave Infrared (MWIR)
HD Long Wave Infrared (LWIR)
Short Wave Infrared (SWIR)
HD Color Zoom and Color Night Vision (CNV)

Payload Options

Lasers Laser Designator
Laser Rangefinder
Laser Pointer (NIR & SWIR wavelength)

Illuminators NIR & SWIR wavelength

Command & Control

Cameleon™ Tactical Track fusion of multiple sensors, slew-to-cue of radar to camera, mapping functionality, zone management, video archiving and distribution, and alarm notification and management

Simultaneously Tracking >500 Targets

Environmental

Power Options Generator, Battery, Shore Power and Solar

Length (Trailer) 175 in. (444.5 cm) including the tongue

Width (Trailer) 87 in. (221 cm)

Trailer Height (mast stowed) 82 in (208.3 cm) no payload

Trailer Height (mast deployed) 243 in (617.2 cm) no payload

Mast Height (stowed) 47 in (119.4 cm)

Mast Height (deployed) 19 FT (5.8 m)

Weight Approximately 4200 lbs (1900 Kg)

Standard Features

Silent Mode Operation

Differential GPS

Weather Station

Shore Power Connection

Operator Control Panel



AMERICAS

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18-0682-SUR-LND-Cerberus-Specsheet LTR



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