

Mobile Surveillance System

Mobile Surveillance System (MSS)

The Telephonics Mobile Surveillance System (MSS) is a fully-integrated, rapidly deployable surveillance system, capable of operating either as a stand-alone system, providing detailed information of a selected region – or networked together creating a “Virtual Fence.” System flexibility allows the MSS to be equally effective in all terrains and environments. From the desert of the U. S. Southwest to the forest of the Northern Border or the open waters of the Great Lakes, Telephonics’ MSS meets the need.

Command and Control

As surveillance requirements grow, so does the need for expanded Command and Control (C²) capabilities. Telephonics integrates the critical information needed by operators, using state of the art C² software. Now, operators can manage a wide area of surveillance with multiple targets of interest, all with the click of a mouse. Proactive Surveillance, knowing where a target is coming from and where it is headed, gives the operator the advantage. Interventions can be coordinated to the operators’ advantage based on each individual threat. Built-in scalability and compatibility provide for system growth and interface with legacy sensors. The C² software also supports a seamless integration of new and existing assets.



Telephonics' MSS Command & Control Station



Supplier to U.S. Customs and Border Protection on both the Southern and Northern Borders

Support and Training

Known as “Best in Class”, Telephonics prides itself on providing the complete package: technologies, system components, training and maintenance support. With an unparalleled working knowledge of the MSS, our engineering team has designed the system to exceed customer requirements. Our design takes into consideration reliability,

endurance and quality, as reflected in our Mil 810F Certification.

Telephonics also understands the importance of training to maximize the effectiveness of the MSS in the field. We provide detailed user training for both the C² software and sensor suite. Operators receive classroom training as well as hands-on field training and support to ensure a successful start.

The Telephonics Mobile Surveillance System is a fully-integrated system with the flexibility to be equally effective in all terrains and environments.

Telephonics Electronic Systems Division

Integrated Logistics Support (ILS) and Preventative Maintenance are instrumental to the success of any program. Telephonics can design and implement a tailor-made ILS and Preventative Maintenance program that will provide the assurance of continuous operation in the harshest of conditions. No matter what the environ-

ment, Telephonics provides you with the assurance that your MSS is operating at maximum performance and providing unparalleled surveillance coverage.

CONFIGURATION

Platform

Weight 3,800 lbs
Material Aluminum

Mast

Setup Time 20 mins
Height 18 ft std,
30 ft optional
Mechanism Hydraulic

Power

On-Board Battery 12/24 V
Shore Power 110/220 VAC

Generator

5.5 kW

Fuel Capacity

12 – 30 gal

Charging System

Battery Yes
Solar Optional
Shore Power Yes

Communications

Cellular Network Optional
Wireless Optional
Network Ready Yes

Standard Sensor Suite

Radar
Human Detection Range >12 km
Vehicle Detection Range >30 km
Helicopter Yes
Small Aircraft Yes
Small Water Craft Yes

Night Camera
Human Identification Range 12 km
(moving)
Auto-focus Yes
Wavelength Band 3 – 5 um
Focal Length 1000 mm

Laser Range Finder
Wavelength 1550 nm

Day Camera

Human Identification Range 10 km
Color Yes

Pan & Tilt

Type Dual axis
360 Continuous Yes
Image Stabilization Yes
Differential GPS Yes

Laser Pointer

Wavelength 830 nm
Viewable with NV Goggles Yes



Telephonics' Long Range MSS on Lake St. Clair near Detroit, MI.



Telephonics' MSS system on Kitt Peak, AZ during 18 km radar vehicle detection test

For further information contact:

Telephonics Corporation
Electronic Systems Division
789 Park Avenue
Huntington, NY 11743
(631) 549-6000
Fax (631) 549-6939
www.telephonics.com

