

LSTAR® (V)2

The LSTAR (V)2 system is a low-cost, tactical radar designed to **fill critical gaps in air surveillance to protect vital infrastructure and other high value assets**

Protecting borders and high value assets is of increasing importance as threats become more technologically advanced. The application of unobtrusive and smart technology to monitor the airspace is essential to protect against non-traditional threats.

The LSTAR® (V)2 system is SRC, Inc.'s lightweight surveillance and target acquisition radar. It is strategically designed to fill critical gaps in air surveillance. Its unique 3-D and 360 degree electronic scanning capability provides reliable detection and tracking of a wide variety of aircraft (fixed wing, rotary wing, etc.) within an instrumented range of 40 kilometers.

The LSTAR (V)2 system's small size allows for easy transportation and rapid emplacement, making it ideal for low-profile operation. The LSTAR (V)2 system also features a rugged enclosure that protects it from hurricane force winds and other severe weather conditions.



**THE LSTAR (V)2 SYSTEM
PROVIDES RELIABLE DETECTION
AND TRACKING OF A VARIETY
OF AIRBORNE TARGETS**



LSTAR® (V)2

APPLICATIONS

- Border air surveillance
- Unmanned aircraft systems (UAS) sense and avoid
- Local airspace management
- Critical infrastructure protection
- Wind farm gap filler

BENEFITS

- Low lifecycle cost
- High mean time between failure (MTBF)
- Easily transportable and rapid emplacement
- Few false alarms in challenging clutter environments
- Full remote operation
- Ideal for integrated solutions
 - Cueing of visible/IR camera
 - ADS-B or secondary surveillance radar

SPECIFICATIONS

- Azimuth coverage: 360°
- Elevation coverage: 0 - 30°
- Instrumented range: 40km
- System weight:
 - Transportable configuration: 68 kg/150 lb
 - Rugged enclosure: 114 kg/250 lb
- System size: 40 in/102cm diameter by 85 in/216 cm high (adjustable)
- Power requirements: 1,200 W, 110/240 VAC 50/60 Hz, 24 VDC



FEATURES

- Provides 360 degree coverage with non-rotating, electronically steered antenna
- Configurable for < 360 degrees, focused sector coverage
- Provides 3-D target position
- High-resolution, fully coherent Doppler waveforms and processing
- Flexible installation options
 - Tower-mounted
 - Tripod-mounted
- Flexible power options (AC grid, generator, or 24 VDC vehicle)
- Supports IP networks
- ASTERIX or custom interfaces
- Rugged packaging with no moving parts and minimal maintenance
- Small footprint with low power consumption
- Full integrated logistics support



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