

# ***SRC 9000 SERIES WIDE BAND ANTENNA***

**A plug-and-play antenna that operates consistently across a wide band of frequencies in a small form factor.**

SRC has more than 65 years of RF engineering experience and expertise, designing and developing world-class radar and electronic warfare (EW) systems to support our military customers. Examples include the AN/TPQ-48 Lightweight Counter-Mortar Radar, the first 360°, man-portable counterfire radar in the world; the AN/VLQ-12 CREW Duke counter-IED system that was pure-fleeted on every Army combat vehicle in theatre; and the LIDS counter-UAS system that was developed for urgent needs to protect warfighters.

SRC is applying this battle-tested experience to deliver the 9000 series wide band antenna. This antenna improves situational awareness by delivering consistent performance across the frequency spectrum for both transmit and receive functions. The simple, small form factor design reduces the necessary footprint and installation time and minimizes the need for spares and cables that would otherwise be required from multiple antennas, each operating within their own specific frequencies. Composed of lightweight plastics and aluminum, it can withstand extreme weather conditions, while minimizing lifecycle costs if repairs or replacements are required. Standard NATO mounts allow for easy installation onto fixed-site or on-the-move systems, making it simple to integrate with just about any platform.

The SRC 9000 series wide band antenna integrates with “smart” systems to deliver near hemispherical, 360-degree transmit and receive functions ideal for air defense and surveillance, communications, and counter-UAS applications.

## ***BENEFITS***

- Installs easily using standard NATO mounts
- Reduces system footprint by taking the place of multiple antennas
- Eliminates the need for extra system cables and lowers sparing obligations
- Customizable for unique customer needs

***THE SRC 9000 SERIES WIDE BAND ANTENNA PROVIDES DEPENDABLE, BROAD-SPECTRUM DATA***



## SRC 9000 SERIES WIDE BAND ANTENNA

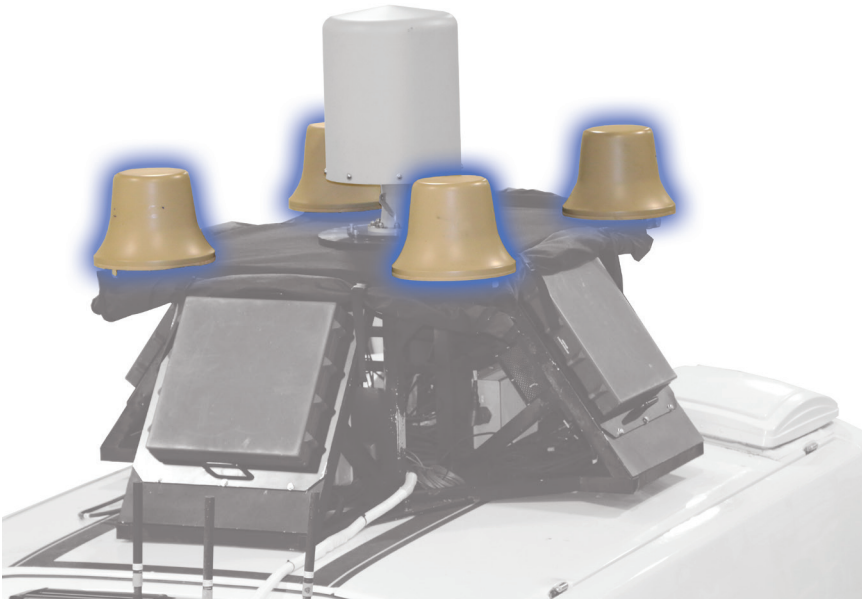
### SPECIFICATIONS

- Frequency Range (MHz):
  - SRC9068A: 350 – 6000
  - SRC9068C: 725 – 6000
  - Custom ranges available on request
- System Size (Inches):
  - SRC9068A: 9.38 x 12.00
  - SRC9068C: 5.00 x 6.25
- System Weight:
  - SRC9068A: ~10 lbs
  - SRC9068C: ~2.5 lbs
- Azimuth Coverage: 0° - 360°
- Elevation Coverage: -10° - 50°
- Female N-type connector
- Power Handling:
  - Tested to handle 200W at 2GHz, expected to handle more.
- Designed to meet or exceed MIL-STD requirements
  - Storage Temperature
    - o High temperature: +71C
    - o Low temperature: -33C
  - Operating Temperature
    - o High temperature: +49C
    - o Low temperature: -32C
  - Vibration
    - o Category 4 – Composite Wheeled Vehicle
  - Shock
    - o Functional Shock (40g, 11ms)
    - o Procedure V Crash Hazard Shock (75g, 6ms)

### FEATURES

- Operates across a wide band of frequencies
- Designed with lightweight aluminum and plastics
- Variety of configuration options – fixed site (tripod, tower) and on-the-move
- Near hemispherical, 360-degree coverage from -10 to +50 degrees

BELOW: Four of the 9068A wide band antenna's surround a Whisper Hunter direction finder mounted on top of a vehicle.



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