



MISSION CATALOG · CB-000047

AGT-2D-RD7500KU MOVING TARGET SURVEILLANCE RADAR (AIRPORT BIRD DETERRENCE)

The AGT-2D-RD7500KU is a Ku-band active phased-array 2D surveillance radar that detects and tracks pedestrians, vehicles, and vessels up...

Model AGT-2D-RD7500KU

KEY BENEFITS

- Ultra-low false alarm rate
- Excellent tracking performance under dense-target conditions
- High detection accuracy
- Small size and light weight
- Simultaneous tracking of more than 100 targets
- 2D radar with 90° azimuth coverage
- Operated locally or remotely
- Independent operation or combination with other radars for 360° coverage

DESCRIPTION

The AGT-2D-RD7500KU moving target surveillance radar is designed to detect and track moving targets, including low-RCS and slow-moving pedestrians, vehicles, and vessels. It adopts an active phased array with digital pulse compression and adaptive clutter suppression to filter false returns from trees, crops, clouds, rain, and waves. With multidimensional, multi-feature tracking technology, the radar simultaneously tracks more than 100 targets with extremely low false-tracking probability in dense-target conditions. Range accuracy is better than 5 m and azimuth accuracy is better than 0.25°, making information fusion with other devices straightforward. Its compact, lightweight, full solid-state design allows one person to carry, install, and operate the unit.

OVERVIEW

- Detects and tracks moving targets including low-RCS and slow-moving pedestrians, vehicles, and vessels.
- Uses active phased array and digital pulse compression for accurate detection, measurement, and tracking.
- Adaptive clutter suppression filters false positives caused by trees, crops, clouds, rain, and waves.
- Multidimensional multi-feature tracking supports over 100 simultaneous targets with low false-tracking probability in dense-target conditions.
- Range accuracy better than 5 m and azimuth accuracy better than 0.25° enable easy information fusion with other devices.
- Compact, lightweight solid-state design allows one-person transport, installation, and operation.

APPLICATIONS

- Land Border Surveillance
- Sea Surface Surveillance
- Fortress Protection
- Battlefield reconnaissance

COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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