



MISSION CATALOG · CB-000049

## AGT-2D-RD2000STS SECURITY AND SURVEILLANCE RADAR FOR AIRPORT BIRD DETERRENCE

The AGT-2D-RD2000STS is an FMCW phased array security radar that detects and tracks moving targets, reporting distance, azimuth and speed...

Model AGT--2D-RD2000STS

### KEY BENEFITS

- FMCW phased array radar achieves wide-area electronic scanning with  $\pm 45^\circ$  azimuth coverage
- Miniaturized, lightweight, low-power and maintenance-free with easy installation
- Supports defense-zone configuration to block false alarms outside the core area
- Supports multi-radar networking for long-distance, large-scale detection

## DESCRIPTION

The AGT-2D-RD2000STS security radar is a cost-effective FMCW phased array radar system that detects and locates moving targets by transmitting electromagnetic waves and processing Doppler echoes reflected by objects. It continuously monitors the field of view for moving targets such as people, vehicles and ships, reporting real-time distance, azimuth and speed information for multiple targets simultaneously. Designed for wide-area electronic scanning with  $\pm 45^\circ$  azimuth coverage, the radar supports defense-zone configuration to suppress false alarms outside core areas and can be networked with multiple units to extend detection coverage. Its compact, lightweight and low-power design enables easy installation and maintenance-free operation, while the IP66-rated cast aluminum enclosure ensures reliable performance in harsh environments from  $-40^\circ\text{C}$  to  $60^\circ\text{C}$ .

## OVERVIEW

- Detects and locates moving targets by transmitting electromagnetic waves and receiving Doppler echoes
- Reports real-time distance, azimuth and speed for multiple simultaneous targets
- Cooperates with cameras and photoelectric equipment for tracking, positioning, identification and event recording

## APPLICATIONS

- Intelligent shipping
- Fishery protection
- Bridge collision prevention
- Ship flow monitoring
- Fisheries management
- Ship detection in water areas
- Substation security
- Detention center security
- Oil pipeline security
- Airport perimeter security
- Railway line security
- Highway traffic control

## COMMERCIAL TECHNICAL DATA

## DATASHEET · EN

## DOCUMENT CONTROL SHEET

## ISSUING AUTHORITY

|                     |                         |
|---------------------|-------------------------|
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## MATRIX CODES · SCAN TO OPEN

|                                                                                    |                                                                                    |                                                                                     |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 01                                                                                 | 02                                                                                 | 03                                                                                  | 04                                                                                   |
|  |  |  |  |
| <b>THIS PRODUCT</b><br>circuitbull.com/.../<br>agt--2d-rd2000sts-542576858         | <b>REGISTERED ADDRESS</b><br>1207 Delaware Ave #5352                               | <b>MAIN WEBSITE</b><br>circuitbull.com                                              | <b>VOLLS GLOBAL</b><br>volls.us                                                      |

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