



# ARES-S

Azimuth & Ranging Engagement System - Shortwave



03-00153x

ARES-S is the newest in advanced, lightweight handheld targeting systems. In less than 3.0 pounds, ARES-S provides a rugged day and night solution for targeting, reconnaissance, surveillance, force protection and law enforcement.

## Features

- High definition color day camera with digital zoom
- Shortwave Infrared (SWIR) night camera
- Eyesafe Laser Range Finder
- Digital Magnetic Compass
- GPS
- MIL-STD-810G qualified

Selected by the United States Marine Corps to meet their missions needs under the CLRF-IC contract, the ARES-S provides a rugged day/night capability for reconnaissance, surveillance and targeting operations. ARES-S employs the latest in advanced and lightweight handheld technologies and features cameras for both day and night viewing, an eyesafe laser rangefinder, a digital magnetic compass, and a global positioning system. Powered by either L91 or CR123 batteries, the system can recognize targets beyond 5 kilometers during the day and 1 kilometer at night. Optional features include non-magnetic North finding and connections for external power and video/data output.



## Technical Specifications

- Weight: < 3.0lbs (1.4kg)
- Color Day Imager: >5km recognition range to 2.3 meter NATO standard target, V50 = 12, light haze/8km visibility day
- SWIR Night Imager: > 1km recognition range to 2.3 meter NATO target, V50 = 12, light haze/8km visibility, ¼ moon illumination
- 1.5µm Eyesafe Laser Range Finder
  - >4km ranging to a 2.3 x 2.3 meter NATO standard target with 10% reflectivity on a 7km visibility day
  - >10km to extended target
- Display: Full color Organic Light Emitting Diode (OLED)
- Digital Magnetic Compass with Micro-Electromechanical Systems (MEMS) gyros: <10 mils error
- Global Positioning System: Selective Availability Anti-Spoofing Module (SAASM) or commercial
- Internal Batteries: L91 or CR123
- External Power: BA5590/BA2590
- Options:
  - Non-magnetic North finding
  - Tripod
  - Data out
  - External connections
- Communications:
  - GPS 5029 (SAASM only)
  - RS422
  - RS232



# ADS

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