

# DART

Defensive Avionics  
Receiver Transmitter



All-Band Laser Infrared  
Countermeasure System

**BAE SYSTEMS**

# High Performance EO/IR Acquisition, Pointing and Tracking System

Modern, highly lethal infrared heat seeking missiles can attack from any direction during any phase of flight. DART, when linked with an appropriate Missile Warner System and multi-band laser, provides comprehensive protection against a multi-tier array of such threats. DART is also a multi-function precision Acquisition, Pointing and Tracking unit. Following activation by the Missile Warner, the DART system will locate, track and defeat multiple threats with a single DART transmitter.

## Features

Fixed mount dome

- Supersonic qualified

High torque gimbal drive

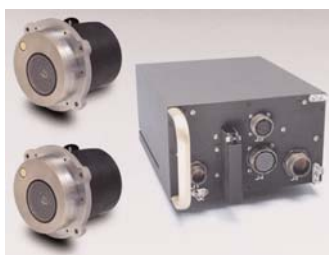
- Fast slew / Fast settle

Multi-function EO/IR sensors

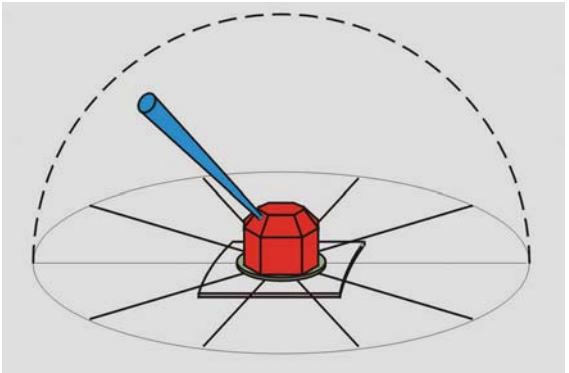
- Enhanced situation awareness

Multiple laser inputs

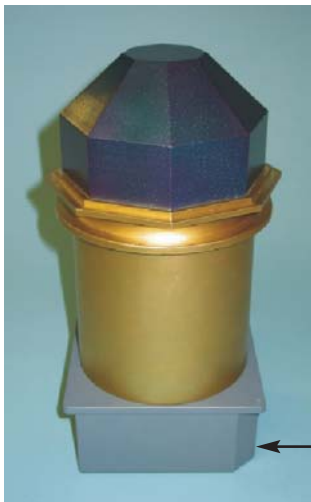
- Range finders/targeting/more



Typical MWS in use with  
DART - AN/AAR-57



Greater than a Hemisphere of Protection for Each Transmitter  
360° AZ with +90°, -10° EL



Multi-band Laser

DART Transmitter Head



System Control Unit

Multi-National System Partners

# Applications

Multi-platform application

- Fast Jets
- Transports
- Helicopters
- Ground Vehicles



## DART Specifications

### Size

150 mm (5.9 in) diameter  
274 mm (10.8 in) tall

### Weight

8 kg (17.6 lb)

### Hover to Supersonic

< 0.25 sec	Slew/Settle
Visible to Mid IR	Operation
>200 deg/sec	Aircraft Roll Rates

## System Control Unit 1 ATR Housing

### Size

195.5 mm (7.7 in) wide  
273.8 mm (10.8 in) tall  
495.6 mm (19.5 in) long

### Weight

15.8 kg (35 lbs.)

ISO 9001 Registered

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