

WESCAM 11 SST ALMD



Date Revised: 24 DEC 03

VENDOR DESCRIPTION

The WESCAM 11 Step Stare Turret (SST) is an all-digital IEEE 1394 compliant tri-sensor Airborne Mine Detection payload. Basic sensors include a 640x480 InSb MW FLIR with filters designed to detect surface and subsurface land mines, electro-optical camera and laser. The WESCAM 11 COBRA variant employs a filtered electro-optical sensor for detecting mines below the surface of the water.

The Step-Stare function allows the WESCAM 11 to capture 8 full-frame digital stills per second which are geo-registered at the pixel level and can be mosaic'd for high resolution coverage exceeding 300 km² per hour.

The 40-lb self-contained payload weight can carry an eyesafe laser rangefinder or laser rangefinder/designator as the third sensor payload.



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Business Category: Large Business

AMD

Hardware	
Power: 85W Nom./170W Max.	Operating Temp.: -55°C to 70°C
Weight: 17.7 kg or 39 lbs	Storage Temp.: -55°C to 70°C
Dimensions: 279mm x 368mm	Interface: RS-232/422, IE 1394
Internal Volume: 1.3 ft ³	Bandwidth Required: 10 Mps
Sensor Type: EO/IR Airborne Land Mine Detection/Countermine	TCDL Compatibility: Yes
Sensor Field of View: FLIR/EO 28-1.7° H	MTBOMF: > 650 hrs
Depression Angle: -90° to +120°	MTTR: .5 hrs
Operating Altitude: 0 ft to 36,000 ft MSL	Maintainability: 2-level BIT to LRM level
Operating Speed: 0 knots to 350 knots	PMCS Time Required: 10 minutes

Performance	Probability of Detection – Day/Night
Ground Location Accuracy Detect Mines/Minefields to within * m per Minefield Surveyed: Classified	Buried Patterned: Classified
Ground Location Accuracy for Clusters along Roads will be Identified w/in * m: Classified	Surface Patterned: Classified
Detect Mines/Minefield in up to * ft of Water at Forging & Bridging Sites: Classified	Unpatterned Scatterable: Classified
False Alarm Rate < * per square km for Initial Detection: Classified	Buried Nuisance Mines on Paved Road: Classified
False Alarm Rate < * per square km for Detection Confirmation By Survey: Classified	