

ETS

Enhanced Targeting System



To meet the international demand for an improved day/night targeting system for the AH-1S/F helicopter, ADS developed the Enhanced Targeting System (ETS) as a drop-in replacement for the older generation LAAT/C-NITE and M-65 sighting systems (Please refer to the comparison chart on the back). ADS designed the ETS to be retrofitted into AH-1 helicopters with little to no wiring changes, thereby minimizing the need for costly airframe modifications.

The ETS is available in three different configurations based on each customer's preferred weapon system, the ETS-T, the ETS-H, and the ETS-B. The ETS-T is designed specifically to meet the needs of the Tube-Launched, Optically-Tracked, Wire-Guided (TOW) user. It features a missile tracking goniometer, and a LWIR thermal camera with Video Thermal Tracker (VTT). The ETS-H is designed to meet the needs of the laser guided weapons user and features a long-range thermal camera with a powerful laser designator/rangefinder. The ETS-B is designed to meet the needs of those customers who have a requirement to shoot both TOW and laser guided munitions.

Features:

- Cost effective upgrade
- State-of-the-Art Thermal Sights
- High Performance CCD Camera
- OLED display
- GPS/IMU

Benefits:

- Increased lethality and survivability
- Enhanced night and low visibility performance
- Extended target acquisition, recognition and engagement ranges
- Improved supportability with increased reliability
- Extended product life
- Little to no wiring changes required

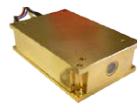
System Components (based on configuration):

ETS Turret and Mechanical Supports



GPS/IMU

- Altitude and Heading Reference (AHRS) Pitch, Roll, and Heading
- GPS X, Y, Z Position and Velocity Outputs
- Enables target geo-location (optional)



Laser Rangefinder

- Eye-safe Laser Rangefinder capability up to 10 km or more
- Boresighted to targeting optics



Monochrome Low Light Camera

- High Res (HD format)
- Digital contrast enhancement
- Provides situational awareness and long range targeting capabilities



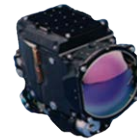
Color Multi-Function Display

- Resolution - 1024 x 768 pixels
- Sunlight - readable screen
- Compatibility with Gen IV (ANVIS B) night-vision goggles



Laser Designator

- 1.064 μ wavelength
- Capability to 10 km



Long Range Thermal Camera Cooled FLIR

- 640 x 480 FPA (ETS-H/B)
- 240 x 4 scanning tracker (ETS-T)
- Provides situational awareness and long range targeting capabilities

Targeting Systems Performance Comparison

System	DVO (km)			Color CCD (km)			Thermal (km)			Thermal Type	TOW Tracker	Weight (lbs.)
	D	R	I	D	R	I	D	R	I			
M65	14.5	11.7	7.8								Gonio	240
LAAT	14.5	11.7	7.8								Gonio	260
C-Nite	14.5	11.7	7.8				7.8	2.4	1.3	LWIR-MCT 120 x 1	Gonio VTT	367
ETS-T				17	14	9	15.2	6.7	3.7	LWIR-MCT 240 x 4	Gonio VTT	308
ETS-H				17	14	9	23	11.5	6	LWIR-MCT 640 x 480		275
ETS-B				17	14	9	23	11.5	6	LWIR-MCT 640 x 480	Gonio	317

ADS

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