

TALON MMS®

High-Performance Airborne Imaging System
in a Compact, Lightweight 9" Package



APPLICATIONS

SURVEILLANCE	PURSUIT AND PATROL
RECONNAISSANCE	DRUG INTERDICTION
TARGET ACQUISITION & TRACKING	ENVIRONMENTAL MONITORING
FORCE PROTECTION	
SEARCH AND RESCUE (SAR)	



Forged from Teledyne FLIR special operations targeting sensors, the TALON MMS is a compact, lightweight EO/IR surveillance system. Complete with thermal imager, color daylight optics, and eyesafe laser rangefinder, the TALON MMS delivers high reliability, performance, and mission critical imagery day or night with low-light and image blending. Battle-proven and AWR qualified, the TALON MMS is deployed with a range of customers, including the US Army, where it flies on UH60s.

Easily integrated into a full cockpit control solution, or as a stand-alone installation, the TALON™ MMS is designed to withstand any platform or geographical environment. It supports high accuracy range-to-target and target geo-location, allowing pinpoint accuracy while lessening operator fatigue. Other features include Auto Tracker, Image Blending, Split Screen Image Viewing and Picture in Picture to provide the operator with a true multisensory view, ensuring threats are seen and targets are identified.

FEATURES

AWR QUALIFIED

The TALON MMS has an AWR for the US Army UH/HH-60 A/L/M aircraft and has delivered more sensors to the US Army than any other sensor supplier.

MILITARY HARDENED AND PROVEN

The TALON has been delivered to multiple DOD, USG and foreign-military programs in many different configurations. Proven quality, reliability and performance in the most demanding military environment.

MULTI-TARGET TRACKER

Advanced capability that tracks targets or scenes with all imagers (IR, CCD, low light).

ADVANCED STABILIZATION

The TALON MS employs advanced stabilization to ensure crisp, smooth imagery.

SPECIFICATIONS

THERMAL IMAGER	
Detector type	InSb MWIR FPA
Zoom Ratio	10x continuous, 18x overall (all optical)
Image Resolution	640h x 480v
COMBINATION COLOR CCD/LOW LIGHT TV	
Performance	Long range extreme low light capability using FLIR-designed optics, Zero ambient light capability when used in conjunction with the laser illuminator
Zoom	10x continuous zoom color ccd 10x continuous zoom low light
EYESAFE LASER RANGEFINDER	
Laser type	Class 1 (eyesafe)
Max range	20km
TURRET SENSOR UNIT (TSU)	
Gimbal range of motion	360° AZ, 360° EL Continuous
Slew rate	0° to 140° /sec
CONTROL ELECTRONICS UNIT (CEU)	
Interfaces	Mil-Std 1553, ARINC 429, RS-232, RS-422, Analog and Digital Video Output (SMPTE)
Power	18-32 VDC
CONTROL UNIT	
Ergonomic, ruggedized NVIS compatible Fully sealed design	



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