



# Litening III Advanced Targeting/Recce Pod

## Proven Operational Performance

Ultra's Litening III advanced targeting pod has provided a quantum leap in ISTAR capability as deployed in current operations. The pod has achieved 99.9% mission availability in >30,000hrs operation over 3 years and is the Royal Air Force's first choice targeting pod for multi engine combat aircraft.

Ultra Electronics has established a UK Litening Pod development and support centre to deliver the UK's Litening III Advanced targeting pod for Tornado and Typhoon aircraft.

The UK Litening III is an innovative airborne, infra-red targeting, navigation & reconnaissance pod for fighter aircraft, delivering high degrees of accuracy and reliability. The UK Litening III is unique in that it has the capability for still imagery reconnaissance missions as well as advanced targeting capabilities. These capabilities coupled with Ultra's Video Data Link have provided a quantum leap in ISTAR capability to the Royal Air Force.

UK Litening III systems were extensively used on British combat operations in Iraq, and currently in Afghanistan. The pods have exceeded 30,000 flying hours on RAF Tornado aircraft.

### Ultra's UK Litening III delivers:

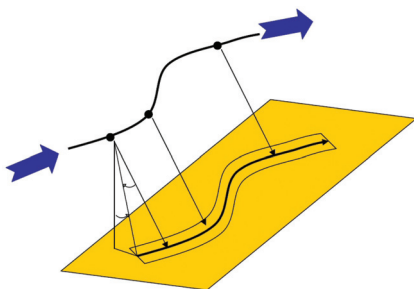
- multi-mission capability for existing aircraft
- multiple sensor arrays that enable high confidence target selection, identification, precise strike and damage assessment
- reduced pilot workload during tracking and targeting
- day and night precision capability
- ease of maintenance and support, plus low life cycle cost
- advanced reconnaissance capability
- secure full motion video data link
- a full reconnaissance capability



# Ultra's Litening III, delivers both an advanced targeting capability and a full reconnaissance capability.

## Ultra provides UK Litening III with:

- secure full motion video capability
- secure meta data
- two way secure communications
- a four mode reconnaissance capability



Path scan Reconnaissance mode



Ultra's ROVER compatible Video Data Link

## Technical specification

Pod dimensions		
Length	220 cm (<87")	
Diameter	40.6 cm (<16")	
Weight	208 kg (<455 lb)	
FLR sensor		
	3-5µ FPA (640 x 480)	
Fields of view		
	Narrow	0.77° x 0.77°
	Medium	2.8° x 2.8°
	Wide (HIID)	18.4° x 21.1°
CCD Camera		
	1k x 1k	
Field of view		
	Super Narrow	0.25° x 0.25°
	Narrow	0.7° x 0.7°
	Wide	3.5° x 35°
Laser Designator and Rangefinder		
	Diode Pump Laser conforms with NATO Std. Coding & Eye Safe 1.06µm & 1.57µm	
Fields of Regard		
	+45°/-150° pitch ±380° (±400°) roll	
Aircraft Adaptation Capabilities		
	F-16, F-15, F/A18, AV-8B, A10, B-52, F-4, F-5, Tornado, Typhoon, Mirage-2000, Jaguar, JAS39 Gripen, AMX, MIG-21, MIG-27, Su-30	
VCR		
	Analogue or Digital	

## Litening Pod enables extensive capabilities:

- detection & recognition
- laser-designation of air to ground targets
- accurate delivery of laser-guided bombs
- scene matching and GPS-guided munitions
- laser spot detection and tracking
- laser target illumination for joint missions
- multiple moving target tracking and engagement



MISSION CRITICAL SECURE NETWORKS AND SYSTEMS

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