

» UVTS

UltraViolet Threat Simulators

Distribution in the UK & Ireland



Lambda Photometrics Limited
Lambda House Batford Mill
Harpenden Herts AL5 5BZ
United Kingdom

E: info@lambdaphoto.co.uk

W: www.lambdaphoto.co.uk

T: +44 (0)1582 764334

F: +44 (0)1582 712084



The UVTS is a short to long-range electro-optical missile threat simulator for testing missile approach warning systems and training crew in the operation of these systems. It simulates the UV Plume radiation profile of an approaching missile, based on input parameters such as: missile signature, atmospheric conditions, missile speed, missile range and more.

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» ENHANCEMENTS TO THE BASIC SYSTEM INCLUDE

- ▶ The ability to synchronize between several UVTS and IRTS to create a true "Missile-Field" simulation
- ▶ The ability to install and operate the UVTS from a moving platform (land or sea) to enable testing and training of fixed wing platforms.
- ▶ Optional integrated radiometers to measure the UV/IR countermeasure performance of the threatened platform
- ▶ Optional motorized pedestal with video tracker
- ▶ Multiple units working in sync to increase simulation range

» FEATURES

- ▶ Pushbutton Hand Controller
- ▶ Simulation of fast phenomena (eject and boost)
- ▶ Customized missile profiles
- ▶ Withstands field environmental conditions
- ▶ Rugged and reliable

» SPECIFICATIONS

Specification	Value	Remarks
Wavelength	CWL: 275nm, BW: ± 5	Blue light is visible while profile is radiating
Temporal Resolution	200 Hz (5 msec updated rate)	
Beam Shape	Rectangular: Azimuth: 8.7° Elevation: 5.0°	
Radiant Intensity (RI)	RI>30 W/Sr	Based on an inband sensor responsivity of 1.7e-16 W/cm ² /cps
Profiles	Accepts shorts, medium & long distance profiles, and custom test waveforms Maximum duration of any profile is 327.625 seconds~5.5 minutes Up to 100 profiles selectable via attached USB Flash Drive	
User Interface	Pushbutton Hand Controller	
Tripod Interface	Quickest Dovetail Mount	
Software	Windows compatible softer for generating profiles an test waveforms	
Weight	24.5 lbs. (11.11 Kg)	
Dimensions (HxWxD)	16 in.x10in.x8in. 40.6cm x 25.4cm x 20.3cm	
Accessories	Profile generation software, camouflage Cordura slip cover, Pelican shipping case, and system manual	

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