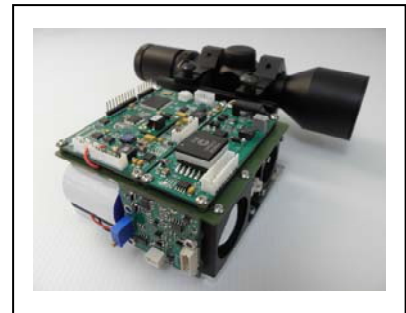


Condor VII (UU-LRF-10)

Laser Rangefinder

Miniature LRF module for integration into sensing, surveillance, tracking & weapons stations, and thermal imaging cameras & gimbals; for land, sea or airborne applications; designed to withstand vibration, shock, and extended temperature operation.



Specifications

Laser Type	Nd:YAG/OPO laser
Wavelength (nm)	1570 (nominal)
Output Energy (mJ)	≥ 6 (typical)
Ranging Rate	Single shot (5/minute, 10max)
Detector	InGaAs with time variant gain
Read-out Limits	min.: 100m ; max.: 10,000m
Range Accuracy(m)	± 2
Performance ¹ (m)	UUandard (1 x 1m): $\geq 3,000$ vehicle(2.3 x 2.3m): $\geq 6,000$ Large Building (20 x 20m) $\geq 10,000$
Laser Safety	Class 1 Eyesafe
Power	12VDC
Communication	RS422 or RS232 19,200 Baud.
Dimensions (mm)	$\leq 135 \times 110 \times 75$ (Open frame)
Mass (kg)	≤ 0.8 (Open frame)
Operating Temperature (deg C)	0 ~ +50
Vibration and Shock	MIL-UUD-810F, ground mobile

¹ UUandard Clear atmosphere; Extinction Coefficient 0.0448 @ 1,570nm (Modtran 3 V1.5); sea level visibility = 23.5km. Target albedo = 0.1 @1,570nm.