

Condor III-A (ST-TLLRF-A) Target Locator Laser Rangefinder

Target Locator with DMC & GPS for integration into surveillance, tracking & weapons stations, and thermal imaging cameras & gimbals; for land, sea or airborne applications; designed to withstand vibration, shock, and temperature operation.



Specifications

Transmitter	
Laser Type	Nd:YAG/OPO laser
Wavelength (nm)	1570(nominal)
Output Energy (mJ)	≥8
Ranging Rate (Hz)	Single shot to 0.2 (max)
Receiver & Detector	
	APD with time variant gain
Day Camera	1/4 type CCD,36X zoom/12 Digital, Approx. 440K pixels for PAL
Rangefinding	
Read-out limits	min.: 100m ; max.: 20,000m
Range Accuracy(m)	±2
Performance ¹ (m)	standard(0.45x1.8m): >5,000 vehicle(2.3x2.3m): >10,000 Building (large): 20,000
Laser Safety	Class1M Eyesafe
DMC Accuracy	1.0° (AZ), 0.7° (EL) RMS
GPS Accuracy	± 5m
Power	12VDC input
Communication	RS422 9,600 Baud.
Mounting	two 1/4" TPI, four M4 TPI
Dimensions ² (mm)	≤275 x 275 x 100mm with eye piece
Mass(kg)	≤4.0
Environmental	
Operation Temperature (deg C)	0~+50
Vibration and Shock	MIL-STD-810F ground mobile

¹ Standard Clear atmosphere; Extinction Coefficient 0.038 @ 1,570nm (Beta Spec.); sea level visibility = 23.5km. Target albedo = 0.3 @1,570nm.

² Connectors and telescope not included; Optional: solar shield