

Condor II-C (UU-LRF20-C) Laser Rangefinder

OEM 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, EMI shielded.



Specifications

Transmitter	
Laser Type	Nd:YAG/OPO laser
Wavelength (nm)	1570(nominal)
Output Energy (mJ)	≥8
Ranging Rate (Hz)	Single shot to 0.5 (max)
Detector	
APD with time variant gain	
Rangefinding	
Read-out limits	min.: 200m ; 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	
Power	
5~13VDC input	
Communication	
RS422 19,200 Baud.	
Mounting	
3-point mount	
Dimensions ² (mm)	
≤168 x 148 x 96mm without solar shield	
Mass(kg)	
≤3	
Environmental	
Operation Temperature (deg C)	
-10~+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.