



LP 17D

Eyesafe laser rangefinder



AN EADS COMPANY

LP 17D

LP17D is an eyesafe laser rangefinder module designed for integration into compact airborne, maritime, land-based observation systems, border surveillance and border control systems. Its key features are low mass, compact size and high performance.

Range measurement is achieved using single-pulse erbium technology operating at an eyesafe wavelength of 1,54 μm . It incorporates state of the art diode pumped technology which provides accurate range performance in a compact package. An integrated boresight camera facilitates ease of boresight alignment with the host observation system.

The system is equipped with an external communication connector enabling remote operation and output of electronic ranging information for further processing and display.



Applications

- Airborne observation systems
- Border surveillance
- Border control systems
- Maritime surveillance systems
- Vehicle-mounted reconnaissance systems
- Land-based surveillance systems

Technical data	LP 17D
Laser type	Erbium glass
Wavelength	1,54 μm
Safety Class	Class 1 according to ANSI 136.1-2007 and IEC 60825-1 ED 2 of 2007-3
Measuring range	80 m to 20 000 m
Range resolution	1 m
Range accuracy	± 5 m
Extinction	37dB (*)
Measuring rate	2 pps continuous
Multiple targets	First, second and last target.
Target discrimination	30 m
Nominal ocular hazard distance (NOHD)	0 m
External power	9-33 V DC
Operating temperature	-40 °C to +70 °C
Storage temperature	-40 °C to +70 °C
Mass	520 g
Size (L x W x H)	112 x 59 x 41 mm
Interface	RS422, RS232

*) target at 500 m, reflection = 100 %, visibility ≥ 10 km, probability 50%

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