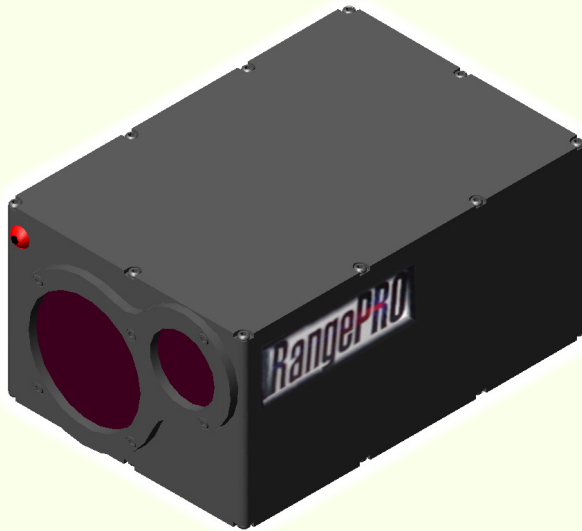


Product Summary

RangePRO Model L5LUH Laser Rangefinder Module



“Advanced digital ranging technology: precise, compact, robust.”

Suitability

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, EM shielded.

Rangefinding

read-out limits	min.	50;
(factory selectable)	max.	20,000.
performance *	vehicle (2.3x2.3m) **	> 6,500;
	building (8x8m) **	> 10,000.

* Standard Clear atmosphere; Extinction Coefficient 0.097 @ 1,570nm (RCA Handbook); sea level visibility = 23.5km.

** Target albedo = 0.05 @ 1,570nm.

Sealing

Hermetic.

Laser Safety

Class 1 eyesafe. ***

*** AS/NZS IEC60825.1 2011.

Laser rangefinder

5 to 10 km range class

Low profile

Universal

Rugged

Dimensions

length	138 mm;
width	94 mm;
height	66 mm;
mass	1.01 kg.

Transmitter

laser type	Nd:YAG/OPO;
wavelength	1,565 to 1,575 nm (1,570 nominal);
output	nominally 8mJ [to Class 1M limit];
ranging rate	single shot (12/minute).

Detector

InGaAs with time variant gain.

Range Determination

Signals from the detector are digitally sampled and examined to determine all potential real target returns. An adaptive range threshold compensates for changing noise levels, maximising system capability under varying conditions.

Power

10 to 32Vdc input.

Comms

RS-422 19,200 Baud.

Mounting

3-point mount.



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