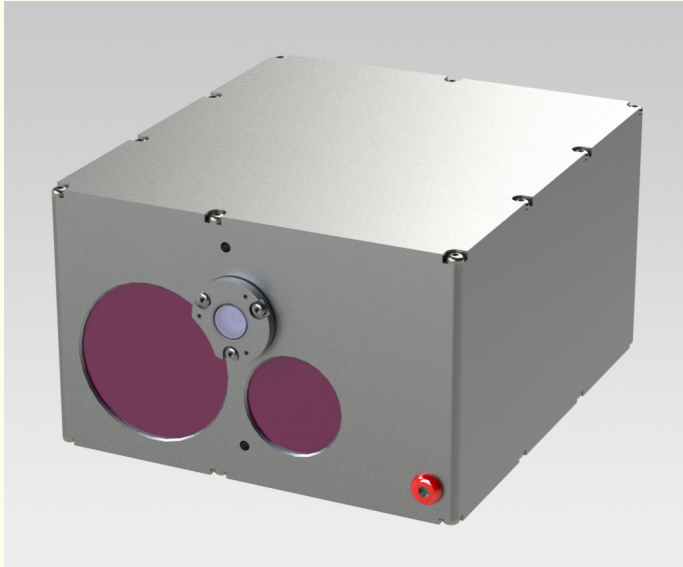


## RangePRO Model L5LGH Laser Rangefinder Module



*“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) **	> 6,200;
	building (8x8m) **	> 12,500.

\* Standard Clear atmosphere; Extinction Coefficient 0.0448 @ 1,570nm (NINOX); sea level visibility = 23.5km.

\*\* Target albedo = 0.1 vehicle, 0.25 building @ 1,570nm.

### Sealing

Hermetic.

### Laser Safety

Class 1M. \*\*\*

\*\*\* AS/NZS IEC60825.1 2011.

Laser rangefinder

5 to 10 km range class

Low profile

General use

Used

### Dimensions

length	122.5 mm;
width	104 mm;
height	65.5 mm;
mass	0.93 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); 1Hz burst.

### 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

9 to 33Vdc input.

### Comms

RS-422 9,600 Baud.

### Mounting

3-point rear mount and 2 point front mount.



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