**Product Summary**

**RangePRO Model GSLR-2K-R Laser Rangefinder Module**

“The advanced digital rangefinding technology: precise, compact, robust.”

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**Suitability**

OEM module for integration into sensing, surveillance, tracking & weapons stations, and thermal imaging cameras;
designed to withstand vibration, shock, and extended temperature operation, EM shielded.

**Rangefinding**

Read-out limits

- Min.: 50
- Max.: 12,000

Performance

- Man: 0.45x1.8m: 3,000
- Vehicle: 2.3x2.3m: 4,500
- Building (large): 10,000

* Standard Clear atmosphere: Extinction Coefficient 0.0448 @ 1,570nm (Modtran 3 V1.5, tropical atmosphere, maritime aerosols, Jan.); sea level visibility = 23.5km.
** Target albedo = 0.2 @ 1,570nm.

**Sealing**

Hermetic.

**Laser Safety**

Class 1M.

*** AS/NZS IEC60825.1 2011.

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**Dimensions**

- Length: 186.5 mm;
- Width: 87 mm;
- Height: 46.5 mm;
- Mass: 0.745 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: to 1Hz [with duty cycle]

**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 19,200 Baud.

**Mounting**

- 3-point mount, with hole and slot for guide pins.

**Options**

- Reference laser
- Externally mounted red laser diode.

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Note: specifications herein are subject to change without notice.

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