**RangePRO Model L-NAV30K Laser Rangefinder Module**

**Suitability**
OEM module for integration into thermal sensing, surveillance, tracking & weapons stations; for land, sea or airborne, especially naval (maritime) applications; designed to withstand vibration, shock, and extended temperature operation, EM shielded.

**Range Finding**
- Read-out limits
  - Min: 200;
  - Max: 30,000.
- Performance
  - Small craft (2.3x2.3m)** > 12,000;
  - Large craft (20x20m)*** > 25,000.

**Sealing**
Hermetic.

**Laser Safety**
Class 1M.

**Dimensions**
- Length: 420 mm;
- Width: 317 mm;
- Height: 285 mm;
- Mass: 21.9 kg.

**Transmitter**
- Laser type: diode pumped Nd:YAG/OPO;
- Wavelength: 1,570 nm;
- Output: nominally 8mJ [to Class 1M limit];
- Ranging rate: up to 30Hz [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**
20 to 32Vdc input.

**Comms**
- RS-422: 19,200 Baud.

**Mounting**
- V-block type.

**Reference Laser**
- Laser type: laser diode;
- Wavelength: 635 nm;
- Output: < 0.5mW.

**Options**
- Detector: APD.