Product Summary

RangePRO Model HPCL-20KO Laser Rangefinder Module

"Advanced digital rangefinding technology: precise, compact, robust."

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

Rangefinding
read-out limits min. 100;
(factory selectable) max. 30,000.
performance " man (0.45x1.8m)" > 7,500;
vehicle (2.3x2.3m)" 12,000;
building (large)" 26,000.

Ranges

Dimensions
length 131 mm;
width 107.75 mm;
height 66.9 mm;
mass 0.86 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 to 1Hz burst.

Detector
APD 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
12 to 32Vdc input.

Comms
RS-422 19,200 Baud.

Mounting
3-point mount.

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