Product Summary

RangePRO Model HPCL-10KO 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. 50;
(factory selectable) max. 20,000;
performance m (0.45x1.8m) > 5,000;
vehicle (2.3x2.3m) 10,000;
building (6x8m) 20,000.

Dimensions
length 130.5 mm;
width 79.8 mm;
height 31.8 mm;
mass 0.415 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 max.).

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
9 to 12Vdc input.

Comms
RS-422 19,200 Baud.

Mounting
3-point mount with guide pins.

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