

RangePRO – New Laser Rangefinder Module

Compact, OEM, ranging performance, with different receiver technology options (PIN diode or APD) and different communication interface options (CANbus, RS422)

Physical Characteristics

Mass [kg]	1.2
Length [mm]	212
Width [mm]	59
Height [mm]	99
Sealing	Open Frame
Mounting	3-point mount and hole/slot



Transmitter

Laser Type	Nd:YAG/OPO
Wavelength	1.570nm
Laser Classification	Class 1M
Divergence	<1mrad
Ranging rate	Typical 12 shots/minute Max 1Hz burst

Power and Comms

Power	18 to 33Vdc [compliant to MIL-STD-1275]
Comms	CANBus RS422

Rangefinding Performance

Target albedo 0.2 @ 1,570nm.

Standard clear atmosphere; sea level visibility 23.5km.

APD with time variant gain detector		PIN with time variant gain detector	
Man [0.45x1.8m]	>8.6km	Man [0.45x1.8m]	>5.2km
Vehicle [2.3x2.3m]	>12.4km	Vehicle [2.3x2.3m]	>7.9km
Building [large]	>26km	Building [large]	>16.4km

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