



01 / CAPABILITY OVERVIEW

2.5D LADAR

2.5D LADAR range-gated imaging device

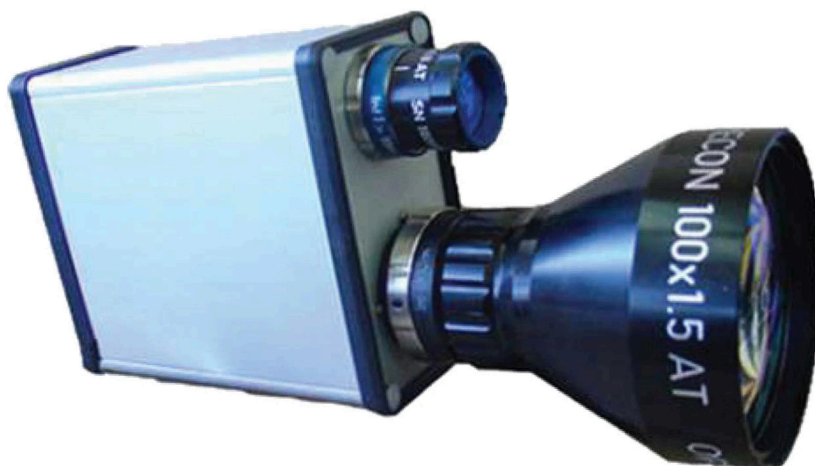


FIG 01 PRODUCT CONFIGURATION

x4	2 km / 3 km	1980x1080 pixels	50 ns to 0.01 ms
MAGNIFICATION	IDENTIFICATION/RECOGNITION RANGE OF A VEHICLE	IMAGE RESOLUTION	OPTICAL PULSE DURATION

01.1 / OVERVIEW

Range-gated imaging device combining image intensifier, laser illuminator and nanosecond gating to deliver Full HD imagery and range-to-target by time of flight.

TYPE

Fire control & survey

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



TECHNICAL DATA

2.5D LADAR / TECHNICAL EQUIPMENT

PERFORMANCE

Image resolution	1980x1080 pixels
Magnification	x4
Identification/recognition range of a vehicle	2 km / 3 km
Identification/recognition range of a man	800 m / 2 km

INTERFACES AND OPERATION

Optical peak power	15 W at 810 nm
Power supply	12 V battery

PHYSICAL DATA

IR lens diameter	100 mm
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ADDITIONAL TECHNICAL DATA

Optical pulse duration	50 ns to 0.01 ms
Time delay between optical pulse and gate	20 ns to 0.02 ms
Gate duration	50 ns to 0.01 ms
Repetition rate	5 Hz to 10 Hz
Outputs	BNC50, USB2