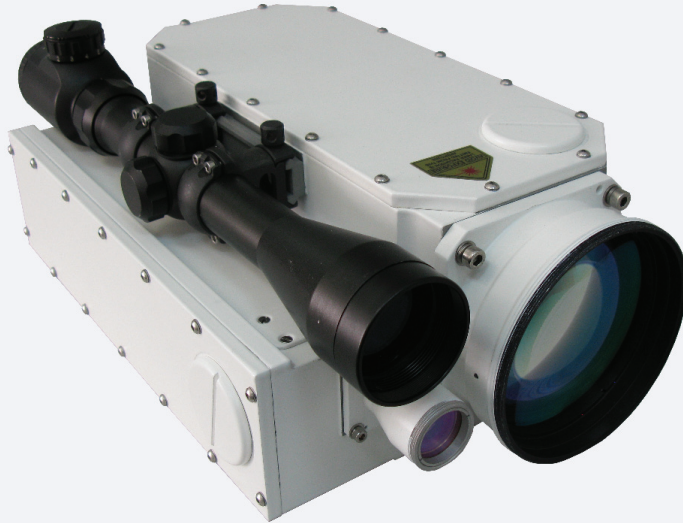


# LRF MOD 25HFLC

ULTRA LONG RANGE LASER RANGEFINDER MODULE



This high-frequency laser rangefinder module enables highly accurate range acquisition of low reflection targets at ranges of up to 30 kilometres. The module can be effectively used in marine navigation, long-range reconnaissance, naval and coast guard patrol, and other professional applications requiring highly accurate, long distance measurements.

Liquid cooling is no longer required for the LRF MOD 25HFLC, which enables higher-frequency data acquisition up to 10Hz with no cooling time required. This gives the system the smallest footprint and weight profile.

<b>Rangefinder</b>	<b>LRF MOD 25HFLC</b>
Eye safety	Class 3R
Wavelength (nm)	1,570
Pulse radiation energy (mJ)	≥20
Beam divergence (mrad)	0.7±0.1
Laser type	Nd: YAG diode pumped, OPO
Distance measurement range, minimum (m)	150
Distance measurement range, maximum (m)	30,000
Distance measurement accuracy (m)	±1
Extinction ratio* (dB)	50
Range resolution (m)	15
Pulse Repetition Rate (Hz)	1 to 12.5
Shots (lifetime)	5x10 <sup>6</sup>
Simultaneously detected targets	3
First/last target logic	Yes
Gating capability	Yes
Warm-up time, max (sec)	6
<b>Mechanics, Electronics &amp; Environmental</b>	
Dimensions without viewfinder (mm)	240x140x70
Weight (kg)	≥2.4
Mounting position	Any
Cooling	TEC, no liquid cooling
Interface	RS-422
Power source	22 - 32 VDC
Operating temperature range (°C)	-40 to +55
Storage temperature range (°C)	-40 to +55
Enclosure	IP65, has integrated desiccators

\*Distance to target: 500 m, reflectivity: 100%

LRF MOD 25HFLC ULTRA LONG RANGE LASER RANGEFINDER MODULE

# LRF MOD 25HFLC

ULTRA LONG RANGE LASER RANGEFINDER MODULE



## DELIVERY SET

Supplied with the following standard accessories:

- RS-422 cable
- LRF communication protocol documentation
- CD with software
- Operation manual



Hard Case



Test Control Cable