

# IVY-LRF-12 Eyesafe Laser Rangefinder



## DESCRIPTION

IVY-LRF-12 laser rangefinder features eyesafe, compact design, light weight, lower power consumption, long life, wide temperature range, etc. The IVY-LRF-12 is widely used in applications including reconnaissance, surveying and mapping.

This laser rangefinder module does not contain a shell, but is equipped with wide range of interfaces and can be mounted into any system with ease. PC software and communication protocol are also available for the convenience of users in the use of handheld devices and multi-function systems.

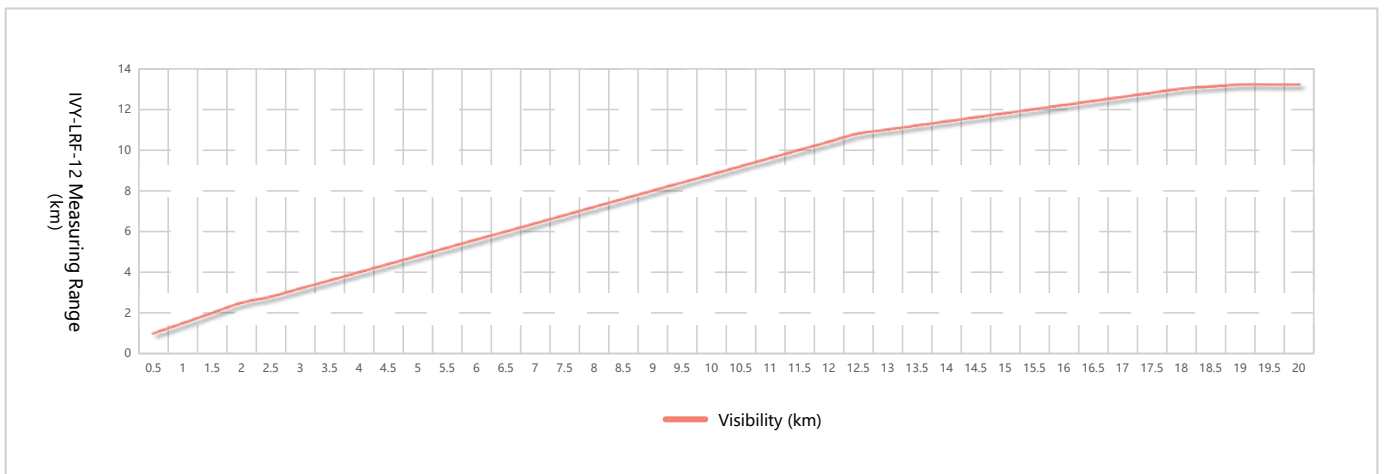
## FEATURES

- Single shot ranging and continuous ranging
- 3-target detection, front and back target indication
- Contain self-checking function
- Wake-on-lan function
- Number of emitted pulses during MNBF  $\geq 1 \times 10^6$  times

## APPLICATIONS

- Handheld devices
- Unmanned aerial vehicle
- Electro-optical pod
- Border surveillance

## PERFORMANCE



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## SPECIFICATIONS

Parameters	Unit	IVY-LRF-12	Comments
Safety Class	-	Class 1	Eye safe
Wavelength	nm	1535±5	—
Max Measuring Range	m	≥12000	Target of 2.3mx2.3m visibility of 16km
Min Measuring Range	m	≤20	—
Range Accuracy	m	±2	Affected by weather conditions and target reflectivity
Measuring Rate	Hz	0.5-10	—
Multiple Targets	-	5	—
Precision	%	≥98%	—
False Alarm Rate	%	≤1%	Probability of occurrence of noise
Dimensions	mm	134x60x58	LxWxH
Weight	g	≤320	—
Data Interface	-	molex-532610771	Other interfaces can be customized
Power Supply	V	12	—
Peak Power Consumption	W	3	Max power consumption when start up
Standby Power Consumption	W	1.5	Function to be shut down by external signal can be customized
Vibration	-	5Hz, 2.5g	—
Shock	-	Axial 100g, 1ms	Can be increased based on user's application scenarios
Operation Temperature	°C	-40~+65	—
Storage Temperature	°C	-55~+70	—

## STRUCTURAL DRAWING (In mm)

