

IVY-LRF-18 Eyesafe Laser Rangefinder



DESCRIPTION

IVY-LRF-18 laser rangefinder features eyesafe, lower power consumption, long measuring range, long life, wide temperature range, etc. The IVY-LRF-18 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.

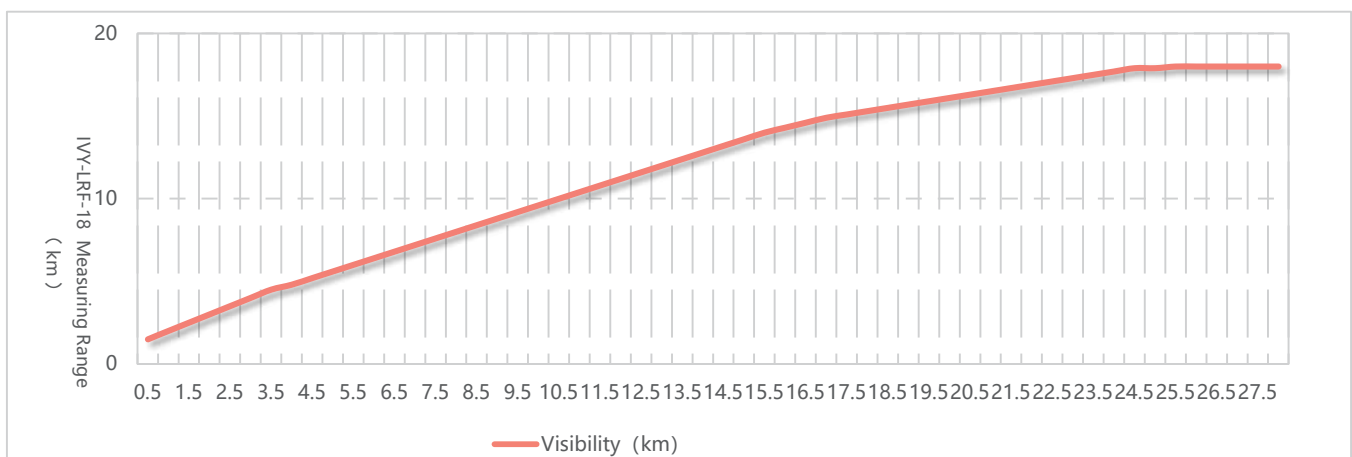
FEATURES

- 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



IVY-LRF-18 Eyesafe Laser Rangefinder

SPECIFICATIONS

Parameters	Unit	IVY-LRF-18	Comments
Safety Class	-	Class 1	Eye safe
Wavelength	nm	1535±5	—
Max Measuring Range	m	≥18000	Target of 3m×3m, visibility of 26km
Min Measuring Range	m	≤50	—
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	125x100x70	LxWxH
Weight	g	≤3800	—
Data Interface	-	J30J	Other interfaces can be customized
Power Supply	V	12	—
Peak Power Consumption	W	3	Max power consumption when start up
Standby Power Consumption	W	1.2	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)

