

UL-LRF-20 Eyesafe Laser Rangefinder



DESCRIPTION

The UL-LRF-20 laser rangefinder boasts an eyesafe design, compact form factor, lightweight construction, low power consumption, long lifespan, and wide temperature range, among other features. It is extensively utilized in various applications, such as reconnaissance, surveying, and mapping.

Despite not having an external shell, this laser rangefinder module includes a broad selection of interfaces, making it easy to integrate into any system. Additionally, for user convenience, PC software and communication protocols are available to aid in using the device with handheld devices and multifunction systems.

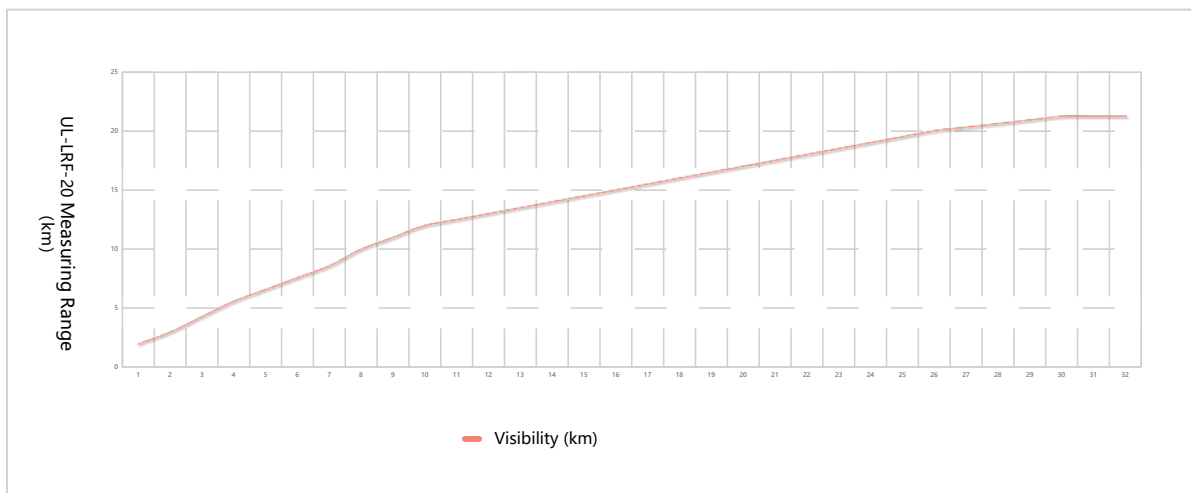
FEATURES

- 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



UL-LRF-20 Eyesafe Laser Rangefinder

SPECIFICATIONS

Parameters	Unit	UL-LRF-20	Comments
Safety Class	-	Class 1	Eye safe
Wavelength	nm	1535±5	—
Max Measuring Range	m	≥20000	Target of 3mx3m 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	≤380	—
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)

