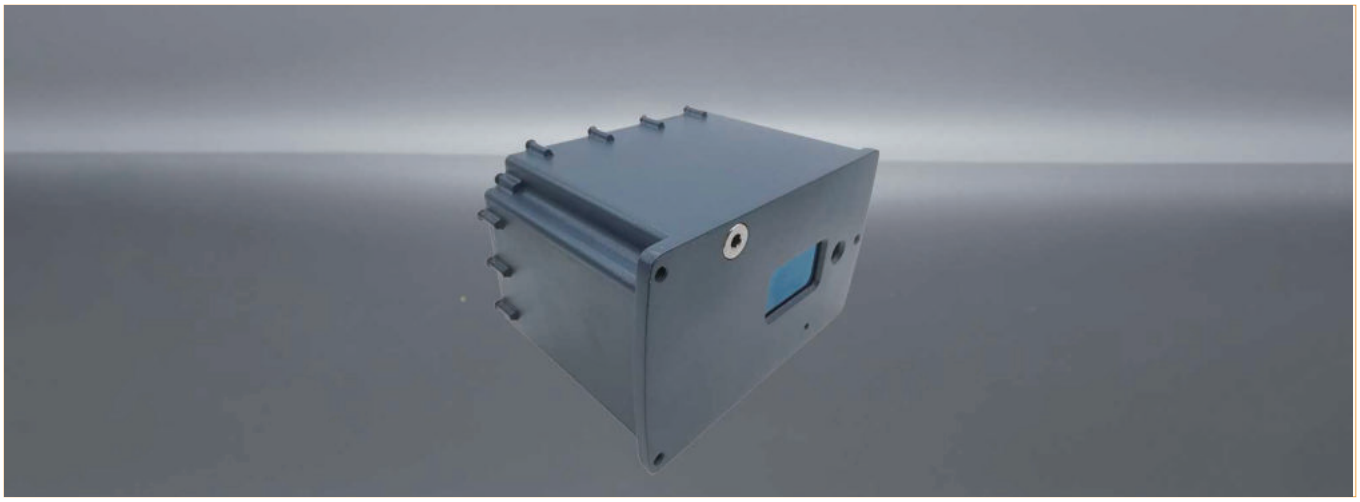
UL-LHM-1535D
Laser Clearance Monitoring Lidar



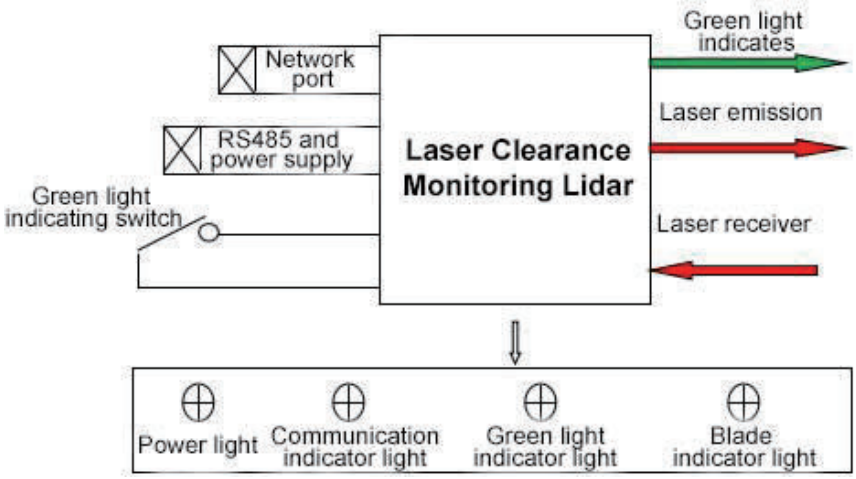
DESCRIPTION

The UL-LHM-1535D Laser Clearance Monitoring Lidar boasts a compact design, low power consumption, Multi-Lidar correlation detection, wide range of operating temperature, and low visibility discrimination, making it well-suited for operation in harsh environmental conditions. It can monitor and measure the clearance between the blade tip and tower of a wind turbine in real-time during its operation. If the minimum clearance value reaches the set limit, it can trigger an alarm and emergency shutdown through the blade tip clearance monitoring system, thereby ensuring the safe operation of the wind turbine.

FEATURES

- Eye-Safe
- Low Visibility Discrimination
- All Sealed Package & High reliability
- Multi-Lidar Correlation Detection
- High Peak Power Measurement
- High Precision Measurement
- Compact Design & Easy Integration
- ON/OFF Remote Control

PRODUCT SCHEMATIC DIAGRAM



APPLICATION SCENE

- Rain & Snow Weather
- Low Visibility
- Marine Environment

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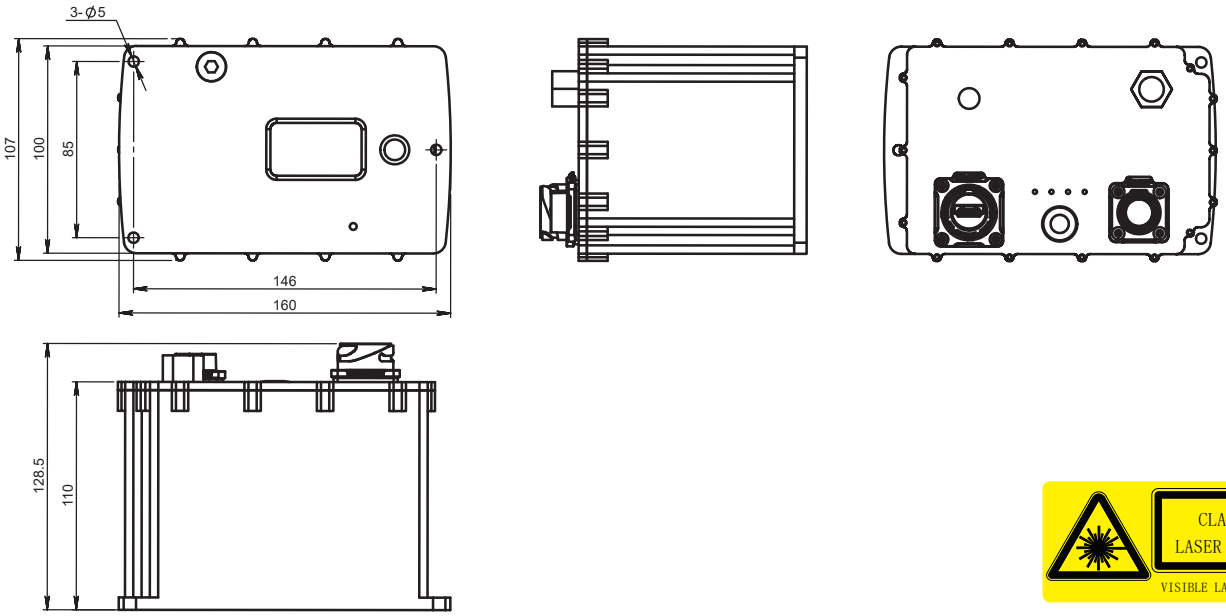
SPECIFICATIONS

Parameters	UL-LHM-1535D
Laser Source	1535nm, Class 1, Eye safe
Spot Size	40*40cm (100m)
Weight	1kg
Supply Voltage	24V
Measurement Accuracy	±0.3m@100m
Detection Distance	≥300m
Range Resolution	0.1m
Control	Turn on/off Laser Clearance Monitoring Lidar automatically
Output Interface	RS485, Network interface
Lightning Protection Level	CLASS-Ⅱ
Communication Frequency	≥2KHz, Adjustable
Radiation Frequency	≥2KHz, Adjustable
Return Data	Directly Measure Distance, Return Light Intensity, System Status
Operating Temperature	- 40℃~ +65℃
Storage Temperature	- 45℃~ +70℃
Operating Humidity	0%~100% RH
Aiming Beam Accuracy	Deviation of ±0.1°to Measuring Beam
Aiming Beam Spot	It is clearly visible in 200 meters under sunlight
Data Storage	Data Output, Real-time Data, Network Time Synchronization, 115200 baud

STRUCTURAL DRAWING (In mm)



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