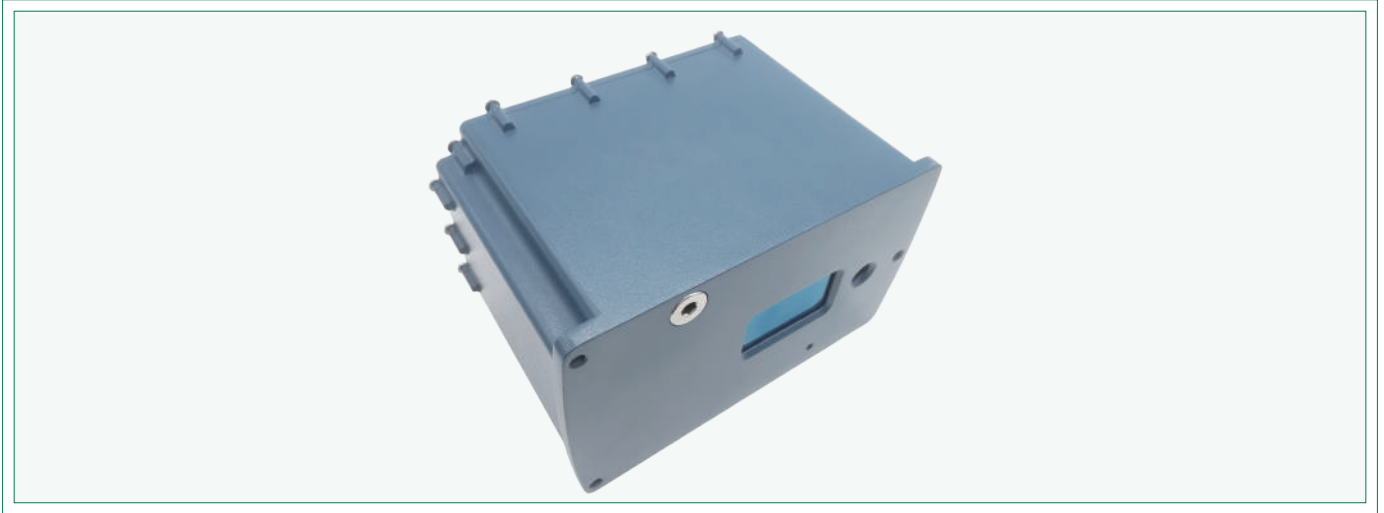


# IVY-LHM-905D Laser Clearance Monitoring Lidar



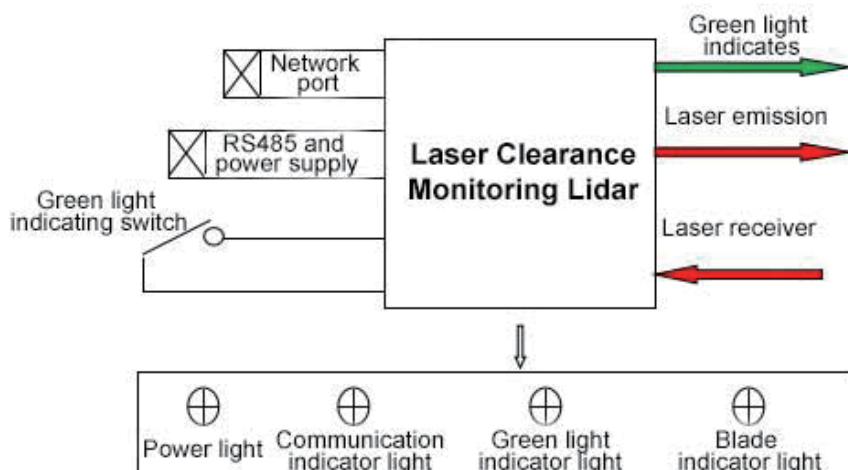
## DESCRIPTION

IVY-LHM-905D Laser Clearance Monitoring Lidar features with compact design, lightweight, high precision, and Multi-Lidar correlation detection, it is ready for operation in the most extreme conditions. During the operation of the wind turbine, IVY-LHM-905D can real-time monitor and measure the clearance between the blade tip and tower. When the minimum clearance value reached the setting, it can trigger an alarm and emergency shutdown through the monitoring system of the blade tip clearance, it is of great significance to the safe operation of the wind turbine.

## FEATURES

- High Precision Measurement
- Fully sealed, high reliability, with pollution warning function
- Multi-Lidar Correlation Detection
- High Repetition Rate Measurement
- Compact Design & Easy Integration
- ON/OFF Remote Control

## PRODUCT SCHEMATIC DIAGRAM



## APPLICATION SCENE

- Rainy and snowy weather
- Low visibility

# IVY-LHM-905D

## Laser Clearance Monitoring Lidar

### SPECIFICATIONS

Parameters	IVY-LHM-905D
Laser Source	905nm, Class 1, Eye safe
Spot Size	80*40cm (100m)
Weight	1kg
Supply Voltage	24V
Measurement accuracy	±0.3m@100m
Detection Distance	≥200m
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
Operation Temperature	- 40°C~ +60°C
Storage Temperature	- 45°C~ +65°C
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)

