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| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **3Km** | **6Km** | **8Km** | **10Km** | **15Km** | **20Km** |
| Human Eye Safety / Level | Class 1/1M |
| Laser wavelength | 1535 nm | 1570 nm |
| Distance ability | ≥ 3 Km | ≥ 6 Km | ≥ 8 Km | ≥ 10 Km | ≥ 15 Km | ≥ 20 Km |
| Minimum Measure range | 20 m |
| Distance resolution | 20 m |
| Ranging frequency | 1Hz - 10Hz | 1Hz- 5Hz |
| Distance measurement accuracy | ≤ ±1m | ≤ ±3m |
| Detection probability | ≥ 98% |
| False alarm rate | ≤ 1% |
| Multi-objective detection | ≥ 3 |
| Weight | ≤ 70g | ＜120g | ＜140g | ＜210g | ≤ 1600g | ≤ 1800g |
| Dimension (mm) | 67\*44.5\*36 | 77\*65\*65 | 98\*51\*59 | 100\*67\*70 | 170\*108\*65 | 216\*125\*80 |
| Diging angle | ≤0.3mrad | ≤1mrad |
| Power consumption | Avg:≤ 1.5W, Peak:≤ 5W | Avg:≤ 10W, Peak:≤ 50W |
| Power supply adaptability | The DC 5V/12V/24V optional | DC 18V~36V |
| Communication type | RS422/RS232/TTL optional |
| Operating Temp | -40 ℃ ~ + 70 ℃ | -40 ℃ ~ + 60 ℃ |
| Storage Temp | -55 ℃ ~ + 75 ℃ |
| Vibration test | Meet the vibration standard of GJB150.16A.2009 for airborne, shipborne and vehicle-mounted equipment. |
| Impact test | Meet the impact standard of GJB150.18A.2009 for airborne, shipborne and vehicle-mounted equipment. |