# CH256X1

## Hybrid Solid-State LiDAR

CH256X1 has significantly improved in vibration resistance, shock resistance, and point cloud processing. It can adapt to continuous operation in high-vibration and high-impact environments. With a measurement rate of 2.56 million points per second, it creates high-density point cloud imaging, providing more accurate environmental perception.

| | | | |
|---|---|---|---|
| Wavelength | 905nm | Data Point Generating Rate | * |
| Laser Class | Class I | Communication Interface | * |
| Channels | 256 | Input Voltage | * |
| Detection Method | TOF | IP Grade | * |
| Detection Range | * | Operating Temperature | * |
| Range Precision | * | Storage Temperature | * |
| Horizontal FOV | * | Vibration Test | * |
| Vertical FOV | * | Shock Test | * |
| Angular Resolution (H) | * | Weight | ⩽2000g |
| Angular Resolution (V) | * | Dimensions (LxWxH) | 154*108*100mm |
| FPS | * | | 177*108*100mm (Including Mounting Hole) |