

# LiDAR Scanner

## AS-35C



TOF Principle



TOF Principle

|                                 |                            |                                      |
|---------------------------------|----------------------------|--------------------------------------|
| Appearance                      |                            |                                      |
| Principle                       | ToF                        |                                      |
| Wavelength                      | 905 nm                     |                                      |
| Sensing range(90% reflectivity) | 0.2m ~ 50m                 |                                      |
| Sensing range(10% reflectivity) | 0.2m ~ 18m                 |                                      |
| Sensing range(2% reflectivity)  | 0.2m ~ 6m                  |                                      |
| HFOV                            | 360°                       |                                      |
| Sampling frequency              | 60 kHz                     |                                      |
| Scanning frequency              | 10 Hz /15 Hz /20 Hz /30 Hz |                                      |
| Angular resolution              | 0.06° /0.09° /0.12° /0.18° |                                      |
| Ambient light immunity          | 8000Lux                    |                                      |
| Accuracy                        | ± 2 cm                     |                                      |
| Interface                       | Ethernet/RJ45              | 4 pin, M8*1 connector, Ethernet/RJ45 |
| Protocol                        | TCP/UDP                    |                                      |
| Power supply                    | Dc5521                     | 3 hole, M8*1 connector               |
| Supply voltage                  | DC 9V ~ 24V                |                                      |
| Power consumption               | <5 W                       |                                      |
|                                 | <2 W                       |                                      |
| Operating temperature           | -10 °C ~ 50 °C             |                                      |
| Storage temperature             | -20 °C ~ 60 °C             |                                      |
| Enclosure rating                | IP65                       |                                      |
| Dimensions                      | 60mm(L)*60mm(W)*82.5mm(H)  |                                      |
| Model                           | AS-35C                     | AS-35CA                              |

### Specification

Unit: mm

