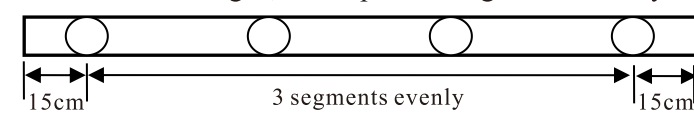


### Installation tools

- electric drill, 1 pcs(Bigger power is better, > 1KW)
- wire cutters, 1 pcs
- NLTT0, some
- Ligature, some

### Installation

- Before drilling, measure width of bumper. 15cm should be left on the left and right, then space 3-segments evenly. See following.



- Mark and then drill.
- Mount the 4 sensors in each hole, caution that shims are needed when screwing up, one inside and one outside.
- Connect power cable to main controller box, red is positive /braking light and black is negative/GND.
- Connect 4 sensors to main controller using extension wires.
- Connect display to main controller using right aviation plug cable.
- Connect camera to main controller using right aviation plug cable.
- Fix the main-controller.

### Test and trouble shooting

- Make sure that all components and cables connected tightly. Place an obstacle behind the vehicle about 70-80cm, engage reverse gear to start the system.
- Now check the display and alarm, digits and alarm sound should be there. If not, please check power and cables.
- Others, please contact our sales agent or after-sales number.

### Cautions of installation

- Ultra-sonic sensor must be screwed appropriately, not too much.
- All cables must be screwed tightly.
- Sensor installing height should be over 50cm, otherwise false alarm is likely to occur because of ground reflection.
- Protrusions are not allowed near the ultra-sonic sensor within 30cm(stands may be needed if necessary)

## Parking Sensor for Trucks

### Installation and User Manual



### (12V/24V) Parking Sensors for Heavy duty trucks and special vehicles

### Introduction

Welcome using our product! It uses ultra-sonic and high-tech computer technology, having advantages of wide detection range, smaller blind area, rapid response time. The product adapts water-proof shapes and imbeds shock-proof design, so can work very well in humid even rain weather on a heavy vibrating vehicle. Shielding case and aviation plug are used to put away the electromagnetic interference while maintaining very easy installation.

Caution: The product is a driving-aid, hasn't active braking function. The driver must be responsible for improperly operations.

### Product components(Different model has different components, pls see your received product)

- Controller 1 pcs
- Display 1 pcs
- Camera 1 pcs
- Ultra-sonic Sensors with extension wires 2~6 pcs
- Power cable 1 pcs
- Aviation plug cable 1~2pcs
- Hole-saw(or brackets) 1 pcs
- User-manual/Warranty card 1 pcs

Note:Accessories for each model are different

### Technical Specifications:

- Rating voltage: 12V/24V DC
- Operating temperature: -30~+70°C
- Response time: 0.05s/sensor
- Detecting range: 0~3 meters (5 meters can be ordered)
- Detecting angle: X=Y=60~80 deg.

### Alarm scheme

Seg	Distance	Mode	Alert	Display
1	0-30cm	Stop	DiDiDiDi	0.0
2	30-100cm	Alarming	Di-Di-Di	0.3-1.0
3	100-200cm	Appropriate	Di-Di-Di	1.2-2.0
4	200-300cm	Alerting	(none)	2.0-3.0
5	300cm 以上	Safe	(none)	(none)

## Connetion Indication

Reference: visual product

