UR-12 Short Range LiDAR

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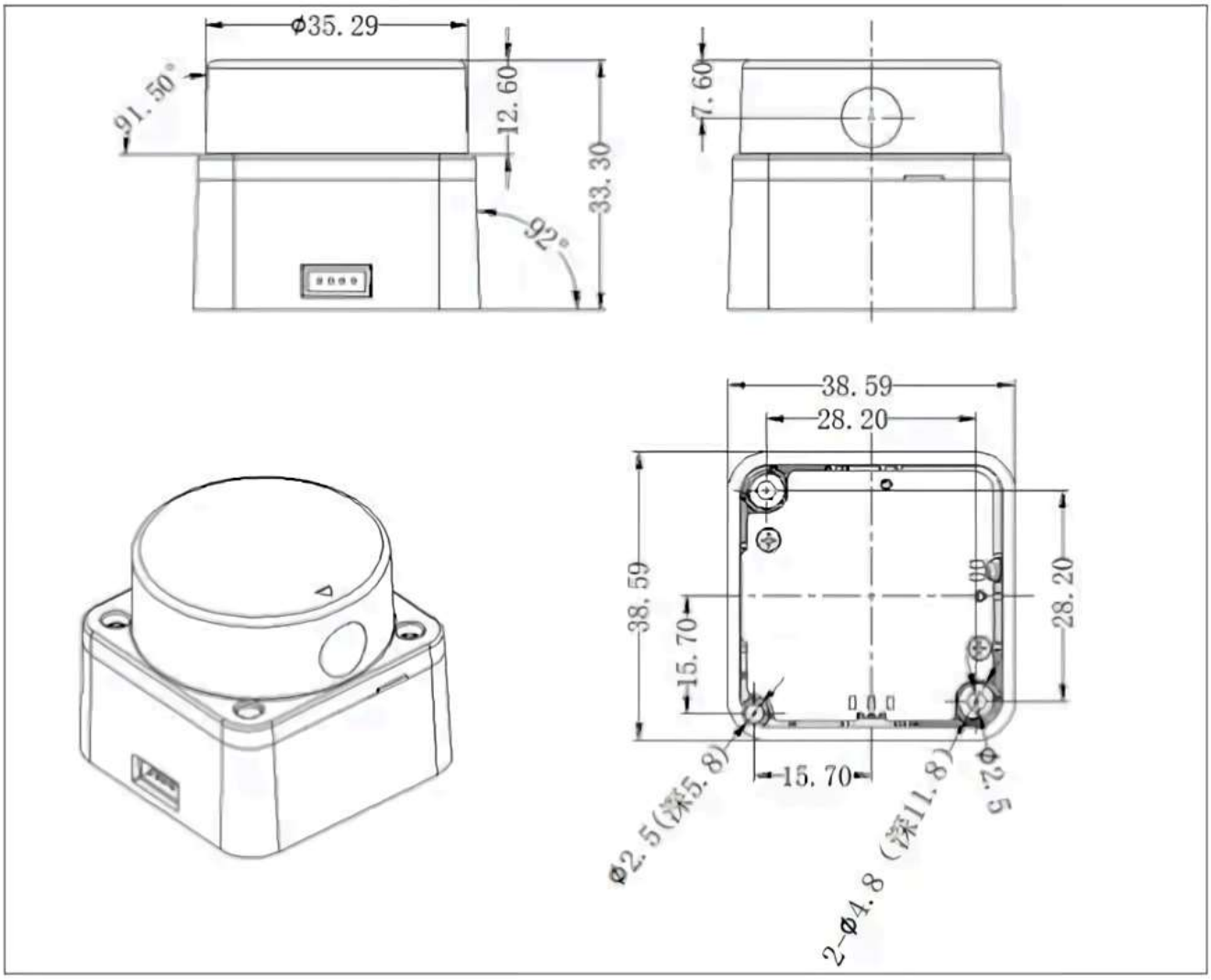

Range	12 m
Cabling	USB-to-Serial
Based on	LDRobot LD-06
Input power voltage	4.5V-5.5V (USB)
Scan frequency	5-13Hz
Min detection distance	0.02m
Max detection distance	5-12m
Scan angle	360 degree
Ranging method	TOF flight time ranging
SKU	SRL00001

When changing out sensors makes sure to disconnect the RED battery cable from the batteries and wait 2 minutes so high voltage and current are not linked with the main board!

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Installation

Plug the USB cable (on the picture above) into any of the Raspberry Pi USB port (NOT the MCB ones, those only provide power) and the lidar should turn on automatically when the Pi boots.

On raspberry Pi:

```
cd ~/catkin_ws/src/
git clone https://github.com/UbiquityRobotics/ur12_lidar.git
cd ..
rosdep install --from-paths src --ignore-src -r -y
catkin_make
source devel/setup.bash
```

Make sure that lidar launch reflects the device name that the ld06 lidar is registered under and then:

```
roslaunch ur12_lidar ur12_lidar.launch
```

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