Velodyne Puck Quick Start Guide

Velodyne's VLP-16 sensor is the smallest, newest and most advanced production Velodyne's 3D lidar product range. Vastly more cost-effective than similarly priced sensors and developed with mass production in mind, it retains the key features of Velodyne's breakthroughs in LiDAR: Real-time, 360°, 3D distance and calibrated reflectivity measurements.

Box Contents

- Sensor
- AC/DC Power Adapter
- Ethernet cable
- Velodyne USB memory stick, containing:
  - User Manual
  - VeloView installers for PC, Mac, and linux
  - Sensor sample data (i.e. pcap files)
  - Miscellaneous documents

## Other Equipment Needed

- PC

Installation

1. Mount the Puck on a level, rigid surface with the threaded adapter on the bottom of the sensor.
2. Connect your PC to the interface box via Ethernet and configure your PC's subnet accordingly.
3. Connect the Garmin or other GNSS receiver to the interface box (optional).
4. Supply DC power to the interface box.
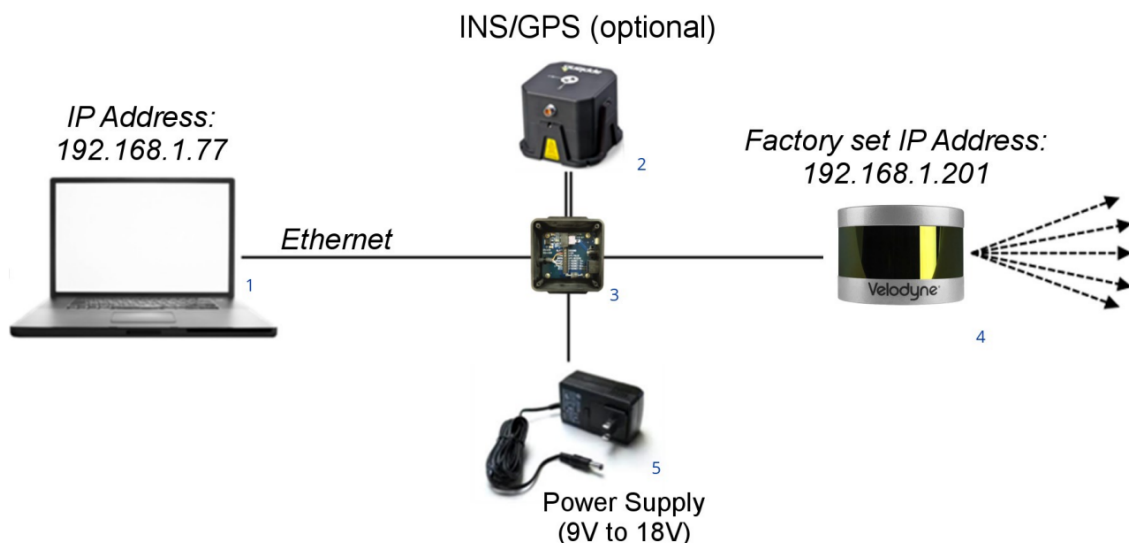
Communications – VeloView (Option 1)

- Install VeloView for your respective operating system www.paraview.org/veloview.
- Open VeloView and select Sensor Stream on the top left. Select your sensor model.
- Click **OK**. You should see your sensor's pointcloud in real time.
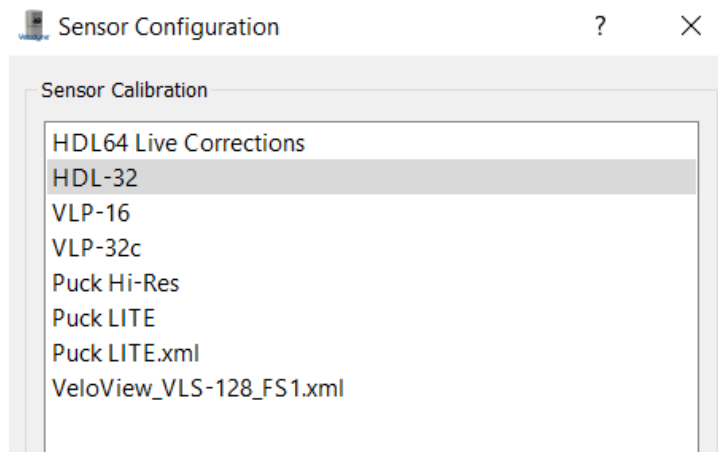
Communications – ROS (Option 2)

1. Install ROS: wiki.ros.org.
2. Install Velodyne ROS driver: github.com/ros-drivers/velodyne.
3. Launch the driver.
4. More information here wiki.ros.org/velodyne.

Additional Information

- Autonomoustuff.com
- Velodyne.com
- Full Documentation