Velodyne Lidar ULTRA Puck

HIGH DEFINITION REAL-TIME 3D LIDAR FOR AUTONOMOUS SYSTEMS

VLP-32C

DIMENSIONS

Velodyne LiDAR's ULTRA Puck VLP-32C is an advanced sensor that combines long-range performance with 0.33 degree resolution in a compact form factor. It is a high-resolution sensor developed with automotive applications in mind and it retains the innovative breakthroughs in 3D LiDAR, such as 360° surround view with real-time 3D data. The VLP-32C includes distance and calibrated reflectivity measurements at all rotational angles.

Wide Field of View with Enhanced Point Density and Range

With 32 channels and a range of up to 200 m, the VLP-32C generates approximately 1,200,000 points/second in dual return mode, with a 360° horizontal field of view and a 40° vertical field of view. The ULTRA Puck's denser channel distribution on the horizon enables higher resolution at longer ranges. Operating it in dual return mode allows the capture of greater detail with 3D imagery. A compact footprint and low weight make the sensor ideal for automotive applications. It is also encapsulated in a package that allows for operation over a range of environmental conditions.

[For reference only]



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Mapping

UAV

Security

Industrial

Automotive

Robotics



PRELIMINARY

www.velodynelidar.com

PRELIMINARY

VLP-32C

Real-Time 3D LiDAR Sensor

The ULTRA Puck[™] provides high definition 3-dimensional information about the surrounding environment.

ULTRA Puck



63-9378 Rev-D

For more details and information, contact Velodyne Sales (sales@velodyne.com)

1. Distance accuracy may be affected by factors including but not limited to range and temperature.

2. Operating power may be affected by factors including but not limited to range, reflectivity and environmental conditions.

3. Operating temperature may be affected by factors including but not limited to power levels and air flow.

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