



- All-in-one mobile mapping system with two rugged LiDAR sensors and accurate positioning – supported by RTK-GNSS, IMU and JAWESO Double SLAM
- Operation through an intuitive web interface
- Easy to use with a fully integrated system
- Real-time data storage in standard formats
- Single housing

Datasheet

JAWESO Panora PL

All-in-one Mobile Mapping Solution



PANORAMA CAMERA

- Panorama image with 134 Megapixel
- Global Shutter
- Field of View: 360° x 135°
- Stitching-Software is included



LIDAR

- 2 x 640000 Points per second
- Range: up to 120m
- 2 x 360° horizontal, 31,5° vertical
- Accuracy: 1 – 2 cm



POSITION

- Real-time sensor fusion
- 2 x RTK-GNSS + IMU
- JAWESO Double SLAM

JAWESO Panora PL

Images

- Panorama resolution 16384 x 8192 Pixel (134.22 MP)
- Single sensor resolution 6 x 24.4 MP
- Field of View 360° x 135°
- Format JPEG compressed

Cameras

- Sensor Sony
- Shutter Global Shutter
- Image processing (automatic) Exposure, Gain, white balance, gamma
- Recording rate 11 FPS

2x LiDAR

- Points per second 2 x 640000 pps
- Range Up to 120 m
- Accuracy 1 - 2 cm
- Field of view 360° horizontal, 31,5° vertical

Position

- Real-time sensor fusion
- 2x RTK-GNSS + IMU

Electrical data

- Input voltage 12V
- Electrical power 190 Watt

Environmental Characteristics

- Max vehicle speed 120 km/h
- IP rating IP66
- Operating temperature 0°C to +40°C
- Storage temperature -15°C to +50°C
- Relative humidity (operating) 20 to 80% (no condensation)
- Relative humidity (storage) 20 to 95% (no condensation)
- Compliance CE

Physical Characteristics

- Weight camera 16 kg
- Dimensions Max. Diameter: 372 mm, height; 318 mm
- Roof-rack height (standard) 570mm; customizable from 50 to 1000 mm



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