



WORLD FIRST!

200 MEGAPIXEL ALL-IN-ONE MOBILE MAPPING SYSTEM

WITH ONLY 2 LENSES FOR COMPLETELY PARALLAX-FREE IMAGING

- *Ultra-high-resolution all-in-one mobile mapping solution*
- *Groundbreaking 200 Megapixel all-in-one Mobile Mapping System - with only 2 lenses for completely parallax-free imaging*
- *Two rugged LiDAR sensors*
- *Accurate positioning – supported by RTK-GNSS, IMU and SLAM technology*
- *Operation through an intuitive web interface*
- *Real-time data storage in standard formats*

Datasheet

JAWESO

Panora Pro PL



PANORAMA CAMERA

- *2 x single lenses with 200° field of view*
- *200 Megapixel class, distortion-free*
- *Nearly complete spherical view*
- *No stitching for half sphere – zero parallax*
- *Extreme dynamic range, sharpest images possible*



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 + visual-SLAM*



JAWESO Panora Pro PL

Images

- Panorama resolution 200 megapixel class
- Field of View 360° x 170°
- Format JPEG compressed

Cameras

- Shutter Global Shutter
- Image processing (automatic) Exposure, Gain, white balance, gamma
- Recording rate 8 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 + visual-SLAM

Electrical data

- Input voltage 12V
- Electrical power 190 Watt

Environmental Characteristics

- Max vehicle speed 100 km/h
- IP rating IP66
- Operating temperature -10°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 23 kg
- Dimensions Max. Diameter: 372 mm, height; 318 mm
- Weight rack 4,9 kg
- Rack height Standard 570mm; customizable from 50 to 1000 mm



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