



# JAWESO Panora Pro PL

**World's first 200-megapixel all-in-one Mobile Mapping System.**

Equipped with two rugged LiDAR sensors and accurate positioning supported by RTK-GNSS, IMU, and SLAM technology, it delivers reliable high-resolution data for demanding Mobile Mapping and infrastructure documentation applications.



## PANORAMA CAMERA

- 2 x single lenses with 200° field of view
- 200 Megapixel, distortion-free
- 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
- RTK-GNSS, IMU, LiDAR-velocity
- JAWESO Double SLAM

Because every detail matters!

# JAWESO Panorama Pro PL

## Camera

- Shutter Global Shutter
- Pixel size 3.45  $\mu\text{m}$
- Image processing (automatic) Exposure, Gain, white balance, gamma
- Max FPS 8 FPS

## Images

- Stitched Panorama 200 megapixel / 20k
- Field of View 360° x 180°

## 2x LiDAR

- Points per second 2 x 640000 per sec.
- Range Up to 120 m
- Accuracy 1 - 2 cm
- Field of view 360° horizontal, 31.5° vertical

## Data output

- Real-time output Imagery, LAS, raw LiDAR and IMU data, trajectory, trigger positions with timestamps and orientation
- JAWESO-Office output Stitched and anonymized panoramas, SLAM-optimized LAS/LAZ, trajectory, and trigger positions

## Storage

- Storage 4 TB internal + 4 TB ext. SSD (swappable)

## Position

- Positioning system SBG Quanta Plus
- Real-time sensorfusion RTK-GNSS, IMU, LiDAR-velocity

## Electrical data

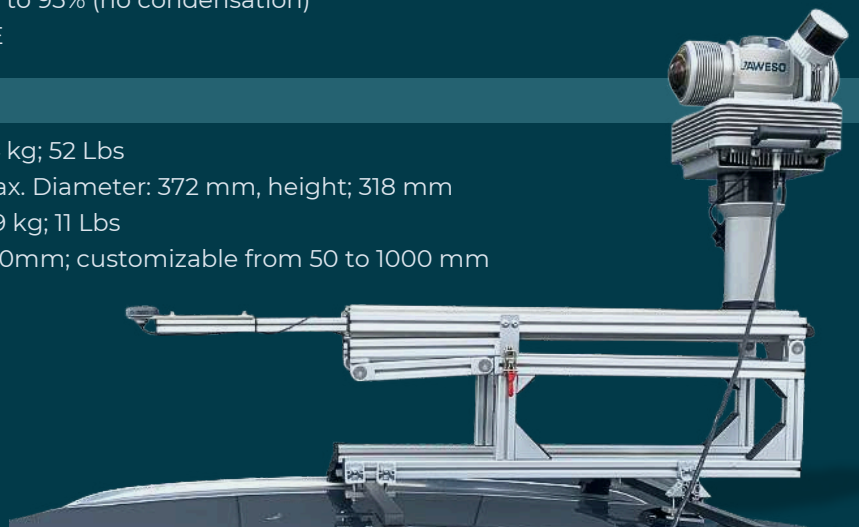
- Input voltage 12V
- Electrical power 280 Watt

## Environmental Characteristics

- Max vehicle speed 110km/h; 68.4 mph
- IP rating IP65
- Operating temperature -10°C to +45°C; 14°F to 113°F
- Storage temperature -15°C to +50°C; 5°F to 122°F
- Relative humidity (operating) 20 to 80% (no condensation)
- Relative humidity (storage) 20 to 95% (no condensation)
- Compliance CE

## Physical Characteristics

- Weight camera 24 kg; 52 Lbs
- Dimensions Max. Diameter: 372 mm, height; 318 mm
- Weight rack 4,9 kg; 11 Lbs
- Rack height Standard 570mm; customizable from 50 to 1000 mm



Because every detail matters!