

 Product Sheet

BMA

BERNARD Mobility Analyser

Reliable, anonymised traffic data in real time – for more efficient, safer and sustainable mobility.

- **Multimodal Traffic Detection**
Pedestrians, cyclists and micromobility as well as motorised light and heavy traffic
- **Versatile Applications**
From cross-section counts to turning movement surveys and parking management
- **Robust and Weather-Proof**
Day/night operation (IR), IP65 protection, permanent deployment on roads and in car parks
- **Privacy by Design**
Local image processing, anonymised data

 **Overview**

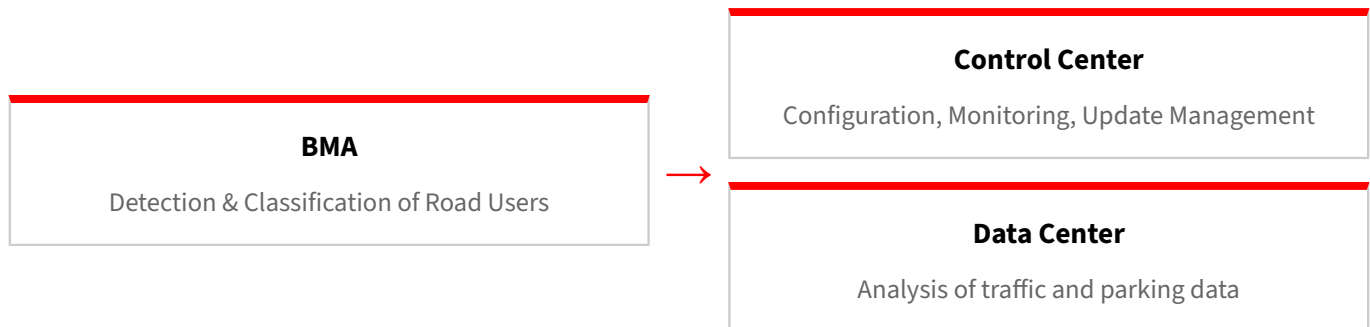
With the **BMA**, cities and operators gain a robust sensor for multimodal traffic detection: pedestrians, cyclists and micromobility as well as motorised light and heavy traffic are automatically detected and classified. Applications range from simple cross-section counts to complex turning movement surveys and parking management. The data forms the basis for efficient traffic planning and parking operations.

Thanks to day/night operation, IP65 protection and LTE connectivity, the BMA is suited for permanent deployment on roads and in car parks – with privacy by design.

Core Features

- **12+1 Object Classes**
High counting and classification accuracy
- **Speed Estimation**
±10% deviation at speeds below 60 km/h
- **Day/Night Capable (IR)**
Robust for outdoor deployment (IP65)
- **Privacy by Design**
Anonymised data, local image processing, pixelation in configuration mode
- **LTE Connectivity**
Central fleet management in the Control Center for configuration and monitoring
- **Data Analysis in Data Center**
Integration via the Data Center API or MQTT/JSON

System Integration



Typical Applications

- Cross-section counting (road & cycle path)
- Turning movement survey (junction analysis)
- Parking management (single space & balance counting)

Contact

Test the BMA at your site →

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