

Manufacturer: DFS (DataFromSky)

Product Model: TrafficCamera

The TrafficCamera B8M40-110F30V2 is an outdoor bullet camera with an onboard FLOW video analytics engine, delivering a complete all-in-one edge solution for smart traffic, parking, retail, and security applications.

With local video processing, it ensures 100% GDPR compliance and minimal bandwidth usage. Designed for affordability, ease of setup, and high reliability, the TrafficCamera supports event-based alerts and triggers, open API connectivity, and webhooks for seamless integration with smart city systems and data platforms.

Power and connection are via PoE, and the camera includes IR night vision up to 30 meters and a fully motorized zoom (40°–110°) for easy, remote field-of-view adjustments. It supports automatic updates and full remote configuration.

Ideal for monitoring smaller or less complex scenes, such as two-lane roads, tunnels, pedestrian pathways, and entry/exit points, the TrafficCamera is a stand-alone traffic monitoring solution requiring no server-side operation.

Core Capabilities

- Onboard FLOW video analytics engine for distributed, edge-based processing
- 100% GDPR compliant with minimal bandwidth requirements
- Seamless integration via open API and webhooks
- PoE-powered connection for simplified installation
- IR night vision with up to 30m range for low-light conditions
- Fully motorized zoom (40° to 110°) for flexible coverage
- Automatic updates and remote configuration capability
- Fully stand-alone operation without server dependency
- Real-time alerts and direct control of connected devices (e.g., signs, gates)
- On-camera dashboard for data visualization

Application Areas & Functions

Traffic Violations Detection

- Wrong-way driving detection
- Illegal lane change detection
- Blocking vehicle detection

Safety & Security

- Object presence alerts

- Suspicious behavior detection

Retail Analytics

- Queue detection
- Heatmap generation and stationary time tracking
- Measurement of attractiveness

Traffic Flow Improvement

- Congestion detection
- Level of service measurement
- Traffic statistics reporting

Parking Management

- Occupancy monitoring
- Parking time measurement
- Wrong parking detection

General Applications

- Behavioral analysis
- Counting and statistical reporting
- Occupancy and presence data