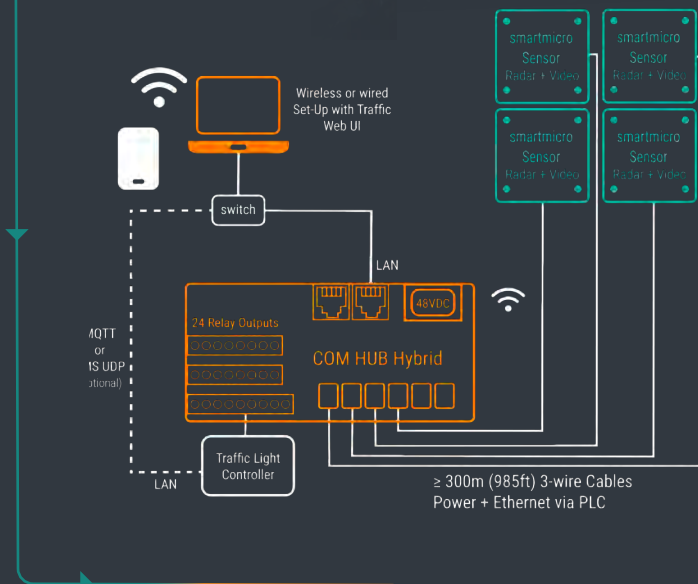


INTERSECTION MANAGEMENT

Smart Detection for Safer and more Efficient Intersections

smartmicro delivers **intelligent intersection management** solutions that provide real-time awareness of all road users and traffic conditions. Our detection empowers **adaptive intersection control**, enhances **safety for vulnerable road users**, and optimizes traffic flow across complex urban intersections.

SENSOR & COM HUB SETUP



INTERSECTION APPLICATION



Key Features



All-Weather Performance

Radar technology works in rain, fog, darkness, and bright sunlight.



Insights via smartmicro Studio

Turning counts, queue lengths, and occupancy in real time all delivered through clear data visualizations.



VRU Protection (Hybrid System)

Reliable detection of pedestrians and cyclists for safer intersections.



Seamless Integration

Easy integration with traffic controllers, ATC systems, and city platforms.



Real-Time Object Lists

Accurately detecting and classifying vehicles by speed, direction and type.



Onboard Traffic Web UI

Configure intersection layouts easily through a browser-based interface.

GET IN TOUCH

info@smartmicro.de
www.smartmicro.com

Applications

Lane-Specific Stop Bar Detection



Queue-Length Estimation



VRU Protection



Turning Movement Counts



Dilemma Zone Protection



Lane-Specific Advance Detection



Further Advantages



Classification

Identifying up to 8+1 classes of classification even in complex traffic environments.



Above-ground detection

Mounted on existing infrastructure. The flexible reconfiguration ensures accurate detection as traffic patterns change.



Precise trajectory tracking

Tracks each vehicle's exact path and movement in real-time – even in complex traffic scenarios.



All product specifications and data in this document are subject to change without notice. smartmicro disclaims any and all liability. Please refer to the datasheets on our website for more / the latest information.

www.smartmicro.com | info@smartmicro.de

