



Recognition of more than just License Plates

MAV[®]
| ANPR TECHNOLOGY FOR
INTELLIGENT TRAFFIC SOLUTIONS

MAV AiQ

Recognition of more than just License Plates

The MAV AiQ is a cutting-edge advancement in Automatic Number Plate Recognition (ANPR) camera technology, designed to meet the stringent demands of the European traffic enforcement sector. Based on the proven IQ benchmark, the MAV AiQ introduces an open platform computing environment, allowing system integrators to enhance local processing and applications. Combined with the globally recognised capabilities of the pre-installed ANPR platform, the MAV AiQ is engineered to address the complex needs of European traffic management and enforcement, delivering superior performance, flexibility, and precision.



Parking Management & Enforcement

The MAV AiQ enhances parking management by automating the capture of entry and exit data, monitoring occupancy, and supporting compliance with local parking regulations. Its high-resolution ANPR capabilities allow for seamless fee collection and effective enforcement of restricted or reserved parking areas. Integrated with smart parking systems, the MAV AiQ allows for dynamic pricing, pre-booking and efficient allocation of parking spaces, maximising utilisation and revenue. These features align with European parking regulations, including the EU's data protection and privacy laws, ensuring compliance and streamlined operations.



Intelligent Traffic Systems & Road Tolling

The MAV AiQ is designed to support the current and future ITS sector, delivering critical insights on traffic flow, vehicle classification and congestion patterns. Built for simple integration with multiple ITS technologies including tolling solutions, the MAV AiQ facilitates vehicle-to-infrastructure communication that optimises urban mobility. The MAV AiQ has been designed to support sustainability goals, reducing emissions, alleviating congestion and improving travel experiences in dense urban areas and on major roadways. Offering system opportunities across multiple vehicle intelligence platforms, the MAV AiQ offers individual and city-wide integrated solutions to meet regionally specific requirements.



Law Enforcement and Public Safety

The MAV AiQ offers real-time identification and tracking of vehicles involved in criminal activities or investigations. Positioned at strategic locations throughout inner-city environments, high-security facilities and urban areas, the MAV AiQ supports all safety and security efforts by offering counterfeit, masked and ghosts plate identification, as well as offering immediate alerts for suspect vehicles to enable rapid response.

With advanced imaging that captures high-quality images of tampered or partially obscured plates, the MAV AiQ ensures consistent, accurate identification even in challenging conditions, such as heavy traffic or low light. With stringent data security protocols and processes, the MAV AiQ is aligned with European Law Enforcement security requirements, providing valuable, real-time data for incident response and prevention.



Traffic Enforcement, Analysis and Management

The MAV AiQ plays a pivotal role in traffic enforcement, offering opportunities to capture and document motoring traffic offences such as speeding, red-light violations, banned turns and unauthorised lane usage. Designed to comply with EU and national regulations, the MAV AiQ supports authorities in detecting and recording violations in real-time, providing reliable monitoring across major roads and urban intersections. Offering high precision, accuracy and flexibility, the MAV AiQ is effective in high-risk areas, pedestrian zones, and intersections with elevated accident rates, enabling authorities to enforce regulations consistently and efficiently.



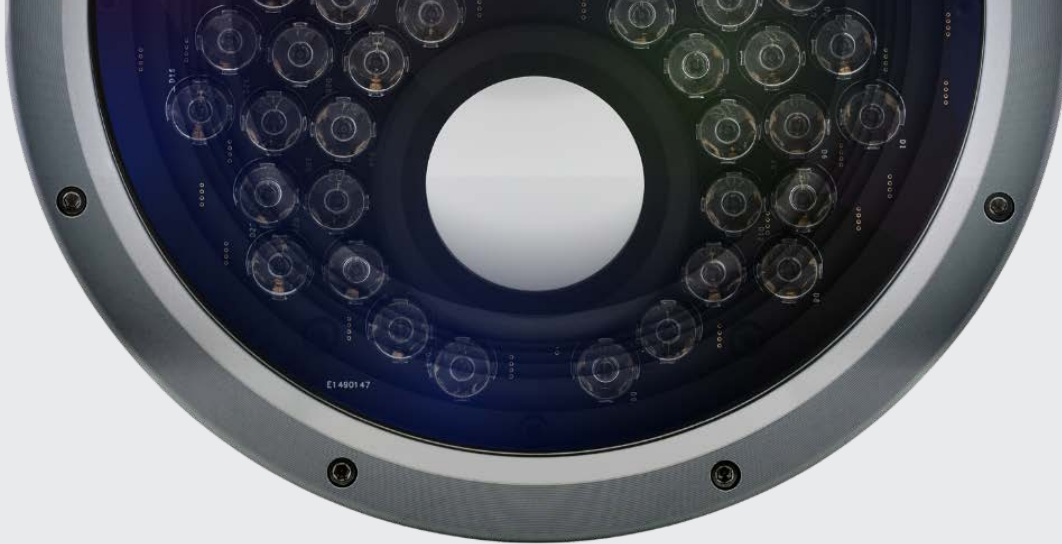
Environmental and Clean Air Systems

The MAV AiQ enables clean air monitoring or enforcement with real-time ANPR data and enhanced evasion detection. Customisable API's allow access to emissions, vehicle details, and supporting metadata from various sources. It also supports custom air monitoring sensors, delivering ongoing data like PM10/2.5, NO2, CO, SO2, temperature, rainfall, and noise, through multiple communication channels for precise environmental tracking.

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more about the MAV AiQ camera





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AiQ



Dual Colour & IR Camera ANPR Recognition

The MAV AiQ provides 24-hour vehicle processing with colour and IR plate reads for high accuracy. Dual-camera, zero-light capture with multi-frame comparison ensures consistent, reliable match results.



Motorised Night-time Imagery

The MAV AiQ has dual 1080p cameras for colour and IR, motorised zoom lenses, and maxIRange™ IR lighting for up to 50m capture, ideal for multi-lane, low-light conditions.



Global Plate Recognition

Colour recognition and embedded AI for typeface identification across multiple regions ensures the MAV AiQ offers consistent accuracy of vehicle origin and additional metadata for system processing.



Make Model Colour

Optional recognition opportunities include vehicle colour/make/model to support plate origin and license plate capture to provide accurate vehicle details and extensive metadata for intelligent vehicle solutions.



Seamless Setup and Integration

The MAV AiQ is easy to set up with browser-based configuration and API integration. It uses a quad-core processor and GPU for real-time, high-resolution ANPR and extra processing capacity.



Superior Performance & Reliability

With dual cameras, zero-light detection, and multi-frame 'best match' tech, the MAV AiQ reliably captures masked and illegible plates, ideal for European traffic enforcement.



Environmental Systems Support

The MAV AiQ offers system opportunities via customisable API's to obtain emissions data amongst a wide range of supporting metadata from various external sources.



Enhanced Back Office Capabilities

The MAV AiQ boosts efficiency with increased data generation and split-data transfer, helping European traffic agencies manage and utilise data for road safety compliance.