



MICROCAM

MOBILE ANPR CAMERA

On-the-move license plate recognition



A perfect tool for police cruising, remote tolling or parking enforcement. MicroCAM achieves what was once impossible: capturing license plates while you are driving. It is a camera mounted on the car, scanning the traffic environment, automatically detecting surrounding vehicles, and reading their license plates – even from a moving car.

This is a mobile ANPR camera with a sleek design, created with portability in mind: it is light and small, offering proper mobile usage. Its IP67-rated housing guarantees maximum protection – a heavy-duty design comparable to fixed ANPR cameras, enduring all environmental challenges.



TOLL
COLLECTION



PARKING
SYSTEMS



TRAFFIC
MONITORING



LAW
ENFORCEMENT



TRAFFIC
SECURITY



VIDEO
ANALYTICS

Main benefits

- Operates ANPR technology from a moving vehicle
- Runs proven, field-tested, unrivaled Carmen® ANPR engine
- Processing speed/volume optimized by License Plate Detection
- Durable weather-proof housing
- Easy mounting on patrol cars with single-cable connection
- Results saved or transferred to a predefined database
- Keeping up to 60.000 events in its built-in storage

Specifications

- On-the-move ANPR • Rooftop camera • License Plate Detection • Single-cable (PoE+) connection • Auto Brightness Control
- Carmen®-ready • ONVIF-compliant

Production Code	M202 FHD MicroCAM-02-4330	M202 FHD Wide MicroCAM-02-4390	M402 FHD MicroCAM-02-4430	M402 FHD Wide MicroCAM-02-4490
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Distance Range

Optimal ANPR range at ambient light	8 m – 15 m (26.2 feet – 49.2 feet)	1 m – 4 m (3.3 feet – 13.1 feet)	8 m – 15 m (26.2 feet – 49.2 feet)	1 m – 4 m (3.3 feet – 13.1 feet)
Maximal ANPR range at optimal conditions	20 m (65.6 feet)	5 m (16.4 feet)	20 m (65.6 feet)	5 m (16.4 feet)

Imaging

Resolution (H × V pixels): frame rate	2048 x 1536: 20fps 1920 x 1080: 30 fps			
Day mode / Night mode	Light sensor, configurable quick auto-switching day/night mode, automatic brightness control			
Lens	Fixed 16 mm	Fixed 4.5 mm	Fixed 16 mm	Fixed 4.5 mm

Illumination

Wavelength	760 nm or 850 nm (infrared)	850 nm (infrared)
Illumination modes	Synchronized flash	

Processing & I/O

CPU for ANPR	–	ARM Quad Core 4 × 1GHz
Communication protocols	ARP, ICMP, TCP/IP, DHCP, NTP, FTP, HTTP, SMTP, RTP	

Electrical data

Power requirement	PoE+ (IEE 802.3at)	
Power consumption (typical)	8 W	12 W
Connectivity	Single-cable PoE+ connector	

On-board intelligence

CARMEN® ANPR	–	Included
Video analytics (Motion Detection, Private Zones)	Included	
Trigger sources	Video Analytics / Software trigger (controlled via HTTP or HTTPs request)	

Mechanical data

Operating temperature	-30 °C – +70 °C (-22 °F – +130 °F)*	
IP rating	IP67	
Dimensions (with bracket) l × w × h	183 mm × 160 mm × 96 mm (7.2" × 6.3" × 3.8")	
Weight (with bracket)	2.0 kg (4.4 lbs)	

Optional accessories

Adapter for stationary use (tripod or wall-mount camera bracket)

*internal temperature / ambient temperature: max. 55 °C (131 °F)

Technical specifications are subject to change without prior notice. This document does not constitute an offer.