



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 and automatically detecting surrounding vehicles, 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 a true mobile usage. MicroCAM can be easily mounted on a rooftop of a patrol car or behind the windshield.

When mounted outside, the IP67-rated housing guarantees maximum protection – a heavy-duty design that is comparable even 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, unrivalled Carmen® ANPR engine
- Processing speed/volume optimized by Vehicle Detection
- Durable weather-proof housing
- Easy mounting on patrol cars with single cable connection
- Results saved or transferred to a predefined database

Specifications

- On-the-move ANPR • Rooftop/dashboard camera • Vehicle Detection • single cable (PoE+) connection • Quick auto brightness
- 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 |
|-----------------|-------------------------------------|--|-------------------------------------|--|

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 1920x1080: 30 fps | | | |
| Day mode / Night mode | Light sensor configurable quick auto-switching day/night mode, automatic brightness control | | | |
| Lens | Fixed 16 mm | Fixed 4.1 mm | Fixed 16 mm | Fixed 4.1 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

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|-----------------------------|-----------------------------|------|
| 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

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|---|--|--|
| Operating temperature | -30 °C – 70 °C (-22 °F – 130 °F)* | |
| IP rating | IP67 | |
| Dimensions (without bracket) l × w × h | 183 mm × 160 mm × 96 mm (7.2" × 6.3" × 3.8") | |
| Weight (without bracket) | 1.6 kg (3.52 lbs.) | |
| In the box | Camera with 5 m cable, bracket, shield. | |

Optional accessories

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|-----------|
| I/O cable |
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*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.