LPR Camera

License plate recognition camera

High-accuracy vehicle identification for parking management, access control and traffic monitoring. The camera connects over 4G LTE or Ethernet, powered by 12 VDC or PoE, and controls the gate or barrier directly through a dry-contact relay output. The camera uses an advanced AI algorithm for fast and accurate license plate recognition, even at night.



12 VDC / PoE
Power supply

LTE/Ethernet

IP66
Ingress protection

–20…+70 °C
–4…+158 °F
Operating temperature

1
Relay output

ELECTRICAL & NETWORK

Power supply	**12 VDC ±5%, 2 A, or PoE (802.3af)**
Power consumption	**4 W (standby); 5 W (active / recognition)**
Network	**10/100 Mbps Ethernet (RJ45) or 4G LTE Cat 4**
Outputs	**1 relay output**
Gate / barrier control	**Dry-contact relay output (NO and COM)**

MECHANICAL & ENVIRONMENTAL

Operating temperature	**–20 °C to +70 °C (–4 °F to +158 °F)**
Ingress protection	**IP66**
Mounting	**Wall or pole mount**
Camera type	**LPR (license plate recognition)**
Resolution	**8 MP (8 megapixels)**
Part number (Europe)	**CAM1003**
Part number (USA)	**CAM1003_G**

INSTALLATION

Mounting height	**1–2 m (3.3–6.6 ft)**
Distance to vehicle	**3–12 m (10–39 ft)**
Ethernet cable	**Cat5e or Cat6, with waterproof RJ45 connector**

APPLICATIONS

- Parking management
- Vehicle access control
- Traffic monitoring

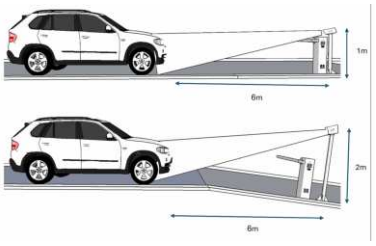
PACKAGE CONTENTS

- PAL LPR camera
- Screw and anchor kit
- Waterproof RJ45 connector
- Two cellular antennas
- User documentation

OPTIONAL ACCESSORIES

Pole, Mounting base bracket, Enclosure. Sold separately.

TYPICAL INSTALLATION



Camera at a height of 1 m (3.3 ft) and 2 m (6.6 ft), 6 m (20 ft) from the vehicle

⚠ **Caution.** Use only the specified power options; an incorrect power input can permanently damage the device. Any physical modification, including cutting the cables, voids the warranty.