

SAFETY

TRAFFIC



ANPR CAMERA

NUMBER PLATE RECOGNITION CAMERA

GENERAL CHARACTERISTICS

The **ANPR (Automatic Number Plate Recognition) camera** is a videocamera, using IP technology, designed for reading moving vehicle number plates (car license plates - including foreign, Kemler plates - hazardous goods codes), even with the vehicle travelling at high speed, in free-running mode, and is therefore suited for motorway, extra-urban and urban applications.

The **ANPR camera** takes a large number of images a second and analyses them to recognise the vehicle number plates, using sophisticated optical character recognition (OCR) algorithms, running on the camera itself.

The camera is able to read number plates without the need for loops in the asphalt or other trigger events.

Depending on the model, starting from number plate recognition, the camera can monitor and measure traffic data, including average speed, class of vehicle and number of transits per class.

The **ANPR camera** has an IR illuminator (integrated or external, depending on model) which enables it to work in all lighting conditions (even in total darkness). The **ANPR camera** with context lens has a secondary videocamera which provides colour images in addition to those used for number plate recognition, which provide a more detailed view of the scene.

The images can be streamed live in colour, depending on bandwidth availability, as well as being recording continuously on-board the device.

The videocamera can be used for fixed applications, mounted on a pole or to a wall with its optional mounting equipment kits, or can be used in temporary installations, mounted on its tripod (optional).

The data and images output by the device can be saved locally to an SD or SSD card, or sent to a central software via Ethernet, Wi-Fi (optional) or GSM/GPRS/UMTS (optional).



PRINCIPAL CHARACTERISTICS

- Number plate recognition (integrated OCR) at high vehicle speeds
- Kemler plate recognition
- Free-running operation (without external trigger)
- Supplementary context videocamera (optional)
- On-board memory



TECHNICAL SPECIFICATIONS

ANPR VIDEOCAMERA

- Technology: CMOS
- Resolution: 1.3 Mp - 2 Mp - 5 Mp
- Frame rate: 25 fps - 60 fps - 75 fps
- Sensor: B/W

ILLUMINATOR

- 850 nm IR LED

DATA MEMORY

- Micro SD or SD

PROTECTION RATING

- IP 66

OUTPUT DATA

- Number plate recognition: characters, car number plates, including foreign; Kemler plates (hazardous goods codes)
- Traffic data: type of vehicle; average speed

INTERFACES AND I/O

- Ethernet
- 2 relay outputs
- RS485

COMMUNICATIONS

- Ethernet
- Serial
- Wi-Fi 802.11G (optional)
- HDSPA (optional)

SUPPLEMENTARY CONTEXT VIDEOCAMERA (OPTIONAL)

- Colour sensor
- Video encoding JPEG/MPEG - H.264