Apromix



TLC-IZERO2-NFR

OCR LICENSE PLATE READING COLUMN FOR ACCESS CONTROL AND SMART PARKING

Made in Italy

TLC-IZER02-NFR

OCR ANPR 2.3 Mpx | GPU NVIDIA platform | ETHERNET | RS485 | PoE | ISDP 10003 CERTIFIED | NDAA COMPLIANCE

Industry
Public spaces
Hotels

OCR LICENCE PLATE READING COLUMN FOR ACCESS CONTROL AND SMART PARKING

ANPR column for OCR recognition of number plates, offering high accuracy even in challenging conditions such as dirt or damage and in all weather conditions, both day and night. The solution is suitable for access control systems and low-speed parking applications, with native integration into **LEADER** systems, where the number plate is treated as a user identifier with associated access rights.

99.9% ACCURACY

In all weather conditions, day and night, up to a speed of 20 km/h.

READING DISTANCE

On a 4-metre wide gate, the camera allows the number plate to be read at distances between 1.5 m (min) and 6 m (max).

MEMORY

The camera is equipped with an 8 GB industrial-grade High Endurance (from -40° to +85°) microSD SLC memory card, useful for storing White/Black lists, allowing automatic management of entries and exits without the need for other devices or external connections to a PC.

FOG-FIGHTER

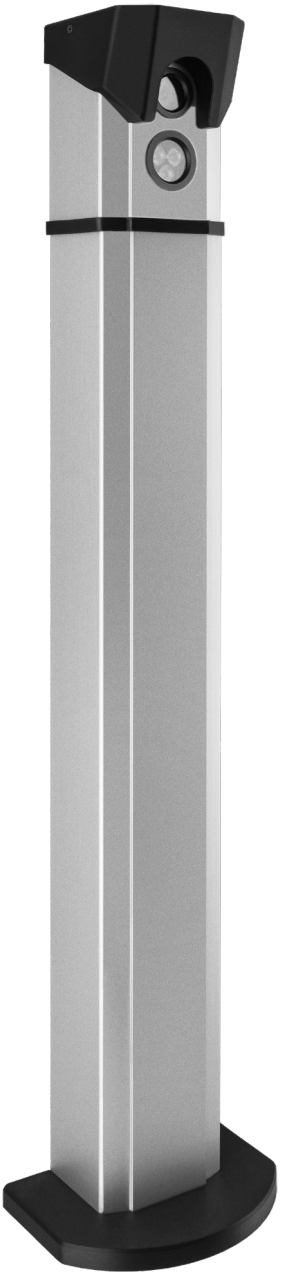
High-performance illuminator that allows number plate recognition even at night in thick fog.

PRIVACY BY DESIGN CERTIFICATION

ISDP 10003 certified camera designed according to privacy by design and privacy by default criteria to guarantee and comply with security and privacy regulations.

NDAA COMPLIANCE

Camera 100% compliant with NDAA for Cyber Security.



- Character reading from over 50 countries
- Fog-Fighter (number plate reading in fog)
- Reading of deteriorated, deformed, and partially covered number plates
- Predictive character analysis
- Angle compensation

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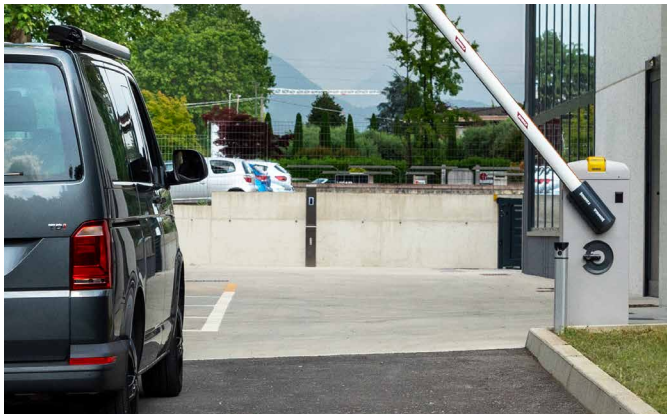
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THE CAMERA IS EQUIPPED WITH:

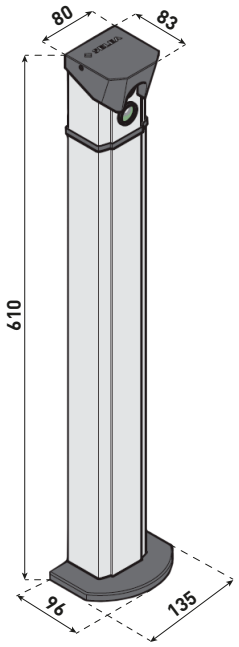
- **2.3 Mpx** Global Shutter OCR sensor, with 6 mm fixed focal length lens
- IR illuminator for **readings from 1.5 to 6 m**
- **RS232/485 serial interface**,
  OSDP and non-opto-isolated Wiegand as standard
- 8 GB internal memory for **white/black lists**,
  making it a stand-alone system without PC connections
- Base with **adjustment slots** for column orientation
- The camera can be powered by **12 Vdc or POE 802.3af**



INTEGRATED WEBSERVER:

- Direct recording on local server or remote NAS
- Synchronised saving of metadata, number plate/Kemler code reading images and context
- Context images synchronised with number plate/Kemler code images
- Dynamic creation and updating of multiple lists (black/white)
- Integration and storage in memory of JPEG snapshot images in HTTP from external TCP/IP context cameras of any brand and model
- Alarm management with multiple actions
- Differentiated alarms for each type of violation
- Transmission, upon alarm, of the image associated with the captured number plate to remote devices with voice reception of the number plate
- Dual FTP and TCP/IP server





TECHNICAL SPECIFICATIONS	TLC-IZERO2-NFR
Sensor	2.3 Megapixels, Global Shutter 1/2.6", CMOS B/W, with frame rate of 60 Fps
Lens	6 mm fixed lens with F1.2 focal aperture and M12 mount
Exposure modes	Dual Shutter, Triple Shutter, Auto Shutter, Fixed Shutter
Illuminator	3 high-power 820 nm IR LEDs compliant with EN62471:2008 on photobiological safety
Internal memory	8 GB microSD SLC (transfer rate: 80 MB/s) industrial grade High Endurance (from -40° to + 85°), expandable up to 256 GB MLC type
Input/Output	**Input:** 1 digital / 1 dry contact **Output:** 1 RS232 - RS485 interface / 1 digital output / 1 relay with dry contact rating 0.3 A at 125 Vac or 1 A at 30 Vdc
Ports	1 USB 3.1 port / 1 10/100/1000 Mbps LAN port
Power	12 Vdc PoE 802.3at
Power consumption	max 8 W
Internal protections	power supply polarity reversal / voltage surges exceeding 17 Vdc / overloads, via thermal protection / overvoltage (TVS) on USB and Ethernet ports
Protection rating	IP66
Dimensions	80 x 610 x 83 mm
Weight	2 kg
Operating temperature	from -25°C to +45°C without the use of fans or heaters

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