



# v-LANE A5 D3 @75fps Multifunctional ANPR 250Km/h

- 2 lanes cover
- Double heads OCR BW IR camera + Color context Camera
- Plate reading up to 250 Km/h in free-run
- Integrated Strobes IR LED Lighting
- Resolution 5 Mpixel BW OCR camera
- Resolution 3 Mpixel color context camera
- OCR library on board with 36 European countries, 7 Asia, 5 Africa, 4 South America and special plates as trailers, Kemler ADR, Tram
- Daylight Video Classification of Vehicles 5+1 classes (Truck, Bus, Car, Motorbike, Van + unknown);
- Night Video Classification of Vehicles 4+1 classes (Truck, Bus, Car, Motorbike, + unknown);
- Daylight Video Classification of vehicle's color (white, grey, red, blue, black, yellow + unknown)
- Brand vehicle Recognition
- Option: model vehicle recognition (rear view);
- Gate AID alarm suite
- AID statistics data production
- Color video recording, DVR function
- Estimated speed function
- Black & White Lists
- Cloud ready
- Compatible with General Supervisory Platform v-SUITE by Vigilate
- **OCR library validated several times UNI 10772: 2016 Class A**



## FEATURES:

### Analysis and Recognition

The v-LANE A5 D5 is the intelligent double head ,5Mpixels OCR and 3 Mpixel Context, camera that can control and handle all road traffic issues for both security and traffic control aspects.

### Data

Alarms, data, statistical data, images and video streaming can be stored locally on SD cards or SSD memory, sent to the customer supervision system or sent to the supervisory platforms contained in the Vigilate's v-SUITE. The device has FTP, XML-RPC (HTTP) and serial protocols.

### ANPR

Optical Character Recognition (OCR) library of 27 EU countries, various non-EU countries, Arabic characters and specialty plates for the Italian market such as: Trailers, Kemler Codes and Special Targets (Police, Army, Ambulances, Civil Protection ...).

### Classification

The v-LANE A5 D5 has a video analysis software that recognizes vehicle types between trucks, cars, motorcycles and scooters, mid-sized vehicles such as van, suv, pickups and commercial vehicles, unknown; it is also able to identify the dominant color between a range of 6 colors such as: white, gray, red, blue, yellow and black.

Brand & Model classification.

### AID

The device is equipped with Gateway AID algorithms that allow slow traffic detection, speed estimation, street pedestrian, smoke or fog, dimming etc

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- Access control public and private parking
- Control of territory and road
- Access control residential areas
- Tolling systems



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## DATASHEET:

<b>ELECTRO - OPTICS:</b>	5 Mpix (2560x1936) CMOS BW IR Global shutter
<b>ELECTRO - OPTICS:</b>	3 Mpix (2048x1536) CMOS Color Global shutter
<b>GRABBING:</b>	Up to 75 fps
<b>LENS:</b>	manual varifocal 8-50mm IR+color, fixed (option), motorized varifocal autoiris (option);
<b>RANGE:</b>	from 3 to 30m
<b>PROCESSOR:</b>	QUADCORE + HW VIDEO ENCODER unit + Neural coprocessor
<b>MEMORY:</b>	4GB RAM, 16GB e-MMC Flash
<b>OPERATING SYSTEM:</b>	Linux
<b>STORAGE:</b>	HD SSD 128GB (option up to 2TB)
<b>LAN AND PORT:</b>	N.2 input opto-isolated NPN-PNP ;12-24Vdc., N.1 fast output strobo NPN 12-24Vdc., N.1 output NPN 12-24Vdc opto-isolated., N.1 output full relè 12-24Vdc 1A N.O N.C., N.1 10/100/1000 Ethernet port N.1 RS-485 port
<b>STREAMING:</b>	MJPEG, H264, H265, RTSP
<b>SENSING:</b>	Accelerometers, Temperature, Humidity, Consumption, Inclinometer
<b>PROTOCOLS:</b>	TCP, FTP, XML-RPC (on HTTP - HTTPS)
<b>POWER SUPPLY:</b>	+12VDC -> +24VDC 2,5A 15W typically or Ultra PoE 60W 6th Class
<b>DIMENSIONS:</b>	450 x 140 x 150 mm
<b>WEIGHT:</b>	2.9 Kg
<b>OPERATING TEMPERATURE:</b>	-30°C / 60°C
<b>HUMIDITY:</b>	90% Relative humidity non condensing
<b>PROTECTION:</b>	IP67 + IK10 (option)
<b>ILLUMINATOR:</b>	CLASS 1M CEI EN 69825-1 ED. 4, 850 nm IR LED
<b>OPTIONS:</b>	Wall bracket, Pole adaptor, 3G - GPRS - HSUPA - UMTS, Wi-Fi