



# v-LANE A5B 5MPX@75 fps Multifunctional ANPR 250 Km/h

- 2 lanes cover
- Mono lens camera IR + Colors (bispectral)
- Plate reading up to 250 Km/h in free-run
- Integrated Strobes IR LED Lighting
- Resolution 5 Mpixel (context + OCR)
- 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
- **Product certified UNI 10772:2016 A Class - 7 meters width, 2**

**lanes, front - rear car plates, motorbike plates, up to 30° lateral offset.**



## FEATURES:

### Analysis and Recognition

The v-LANE A5B is the intelligent 5Mpixels 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 A5B 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 Color + IR (bispectral) Global shutter   |
| <b>GRABBING:</b>              | Up to 75 fps   |
| <b>LENS:</b>                  | C mount varifocal lens 8-50mm IR+Color (option motorized varifocal)  |
| <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. ,<br>N.1 fast output strobe NPN 12-24Vdc. ,<br>N.1 output full relè 12-24Vdc<br>N.1 10/100/1000 Ethernet port, N°1 RS-485 port |
| <b>STREAMING:</b>             | MJPEG, H264  |
| <b>SENSING:</b>               | Accelerometers, Temperature, Humidity, Consumption, Inclinator   |
| <b>PROTOCOLS:</b>             | TCP, FTP, XML-RPC (on HTTP/HTTPS), RTSP, openVPN, HTTP, HTTPS, ONVIF   |
| <b>POWER SUPPLY:</b>          | +24VDC (2,5 A) or +12VDC (5A) (15W typically) or Ultra PoE 60W 6th Class   |
| <b>DIMENSIONS:</b>            | 450 x 140 x 150 mm   |
| <b>WEIGHT:</b>                | 2.6 Kg   |
| <b>OPERATING TEMPERATURE:</b> | -30°C / 60°C   |
| <b>HUMIDITY:</b>              | 90% Relative humidity non condensing   |
| <b>PROTECTION:</b>            | IP67 + IK10 (optional)   |
| <b>ILLUMINATOR:</b>           | CLASS 1M CEI EN 69825-1 ED. 4, 850 nm IR LED   |
| <b>OPTIONS:</b>               | Wall bracket, Pole adaptor, GMS/UMTS module  |



Vigilate - PSIM  
(Physical Security Information Management)



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Dasa-Räregister