



# v-LANE A0B 2MPX@70fps Multifunctional ANPR 70 Km/h

- 1 Lane coverage
- Infrared + color (bispectral) single head camera
- Plate reading up to 70 km/h in free-run
- Integrated IR illuminator with stroboscopic LEDs
- 2 Mpixel resolution (context + OCR)
- OCR library on board with 41 countries in Europe, 13 Asia, 6 Africa, 5 South America and special plates such as Trailers, Kemler ADR, Kemler ADR Empty, Tram
- "Daytime classification of vehicles by type in 11 + 1 (Cars, Trucks, Trucks with trailers, Motor vehicles, Motorcycles, Mopeds, Buses, Mini vans, Big vans, Flatbed trucks, Caravans, unknown)"
- Night classification of vehicles by type in 4 classes +1 (trucks, buses, cars, motorcycles and unknown)
- Daytime classification of vehicles by color in 11 classes + 1 (black, white, grey, red, blue, yellow, green, orange, pink, purple, cyan, unknown)
- Gate AID algorithms for traffic control (stationary vehicle, wrong-way vehicle, slow traffic, queue)
- Transit speed estimation function
- Black & White lists
- ONVIF Profile S
- Cloud ready
- Compatible with the Vigilate v-SUITE general supervision platform
- **OCR library validated several times by UNI 10772:2016 Class A**



## FEATURES:

### Analysis and recognition:

V-LANE A0B is the intelligent license plate reading camera for barriers, gates, passages with low speed passages. V-LANE A0B is able to read license plates of moving vehicles, in any lighting condition. Performance: V-LANE A0B detects 60 images per second within which it analyzes, identifies and validates the license plates of the vehicles present. This result obtained through the use of sophisticated software makes it possible to read the license plate of vehicles in transit at speeds of up to 70 km/h in free-run mode (without an external trigger device).

### Data:

Data and images can be stored directly locally on a Micro SD card, sent to the customer's supervision system or sent to the v-SUITE supervision platform. The device has FTP, XML-RPC (on HTTPS) and serial transmission protocols. Software Optical Character Recognition (OCR) library complete with 41 countries in Europe, 13 Asia, 6 Africa, 5 South America and special plates such as Trailers, Kemler ADR, Kemler ADR Empty, Trams (Police, Army, Ambulance, Civil Protection... ).

### Classification:

The camera is equipped with a video classification software capable of recognizing vehicle types with 11 + 1 classes including (Cars, Trucks, Trucks with trailers, Motor vehicles, Motorcycles, Mopeds, Buses, Mini vans, Big vans, Box bodies, Caravan, unknown); it is also able to identify the dominant color among a range of 11 colors + 1 (black, white, gray, red, blue, yellow, green, orange, pink, purple, cyan, unknown). v-Lane is equipped with gate AID algorithms for traffic control (stationary vehicle, wrong-way vehicle, slow traffic, queue).

**Data security:** The storage and transmission of data generated by the product takes place using highly reliable and secure protocols, guaranteeing the highest level of inviolability and privacy. Vigilate complies with the most restrictive regulations on data security such as ISO27001:2022 and ISDP10003:2018 - Privacy by Default and Privacy by Design.

### Application examples:

Access control for public and private car parks

Access control for residential and commercial areas

V-190424-1610-UPD

Vigilate S.r.l.

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Access lanes to ports, airports, stations, etc...



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## DATASHEET:



<b>ELECTRO - OPTICS:</b>	2 Mpix CMOS Color + IR (bispectral) Rolling shutter Full-HD
<b>GRABBING:</b>	Up to 60 fps
<b>LENS:</b>	Standard S mount fixed lens
<b>DAY &amp; NIGHT:</b>	IR Cut
<b>PROCESSOR:</b>	Quad Core + HW VIDEO ENCODER unit
<b>MEMORY:</b>	1GB RAM, 16/32GB iNAND Flash
<b>OPERATING SYSTEM:</b>	Linux
<b>STORAGE:</b>	16GB (up to 128 GB) USB
<b>I/O:</b>	N°3 Input PNP 5-30Vdc optoisolated, N°2 Output relay
<b>LAN AND PORT:</b>	N°1 10/100/1000 Giga Eth. port, RS-485 port
<b>STREAMING:</b>	MJPEG, H264
<b>PROTOCOLS:</b>	TCP, FTP, XML-RPC (on HTTP/HTTPS), RTSP, openVPN, HTTP, HTTPS
<b>POWER SUPPLY:</b>	+24VDC (1,25 A) or +12VDC (2,5A) (8W typically) or UPOE 60W
<b>DIMENSIONS:</b>	120 X 120 x 110 mm (w x h x l)
<b>WEIGHT:</b>	750 gr
<b>WORKING TEMPERATURE:</b>	-30°C
<b>HUMIDITY:</b>	90% Relative humidity non condensing
<b>PROTECTION:</b>	IP66, IK10
<b>ILLUMINATOR:</b>	CLASS 1M CEI EN 69825-1 ED. 4, 850 nm IR LED
<b>OPTIONS:</b>	Tower Case, Wall bracket, Pole adaptor, Micro SD 128 GB



Vigilate - PSIM  
(Physical Security Information Management)



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