# STP A5B ANPR

- 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)
- 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**

**STP A5B** is the 5Mpixel ANPR intelligent camera, specifically designed to be integrated into the **SmarTekPole** product, able to control and manage all the problems of a road crossing both for safety aspects and for aspects relating to the control of traffic. traffic.

**Data**

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

**ANPR**

Optical Character Recognition (OCR) library complete with 36 European countries, various non-EU countries, Arabic characters and special plates for the Italian market such as: Trailers, Kemler Codes and Special plates (Police, Army, Ambulances, Civil Protection ...) .

**Traffic statistics**

**STP A5B** provides alarm or warning signals relating to the state of traffic such as the presence of queues on the gate, slowed traffic, vehicle against hand, presence of smoke/fog on the gate.

**STP A5B** is able to produce statistical reports relating to count, type, traffic average speed, level of occupancy of the controlled road.

- **Smart City**
- **Smart Road**

*V-250424-2352-UPD*

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## DATASHEET:

| | |
|---|---|
| **ELECTRO - OPTICS:** | 5 Mpix (2560x1936) CMOS Color + IR (bispectral) Global shutter |
| **GRABBING:** | Up to 75 fps |
| **LENS:** | C mount varifocal lens 8-50mm IR+Color (option motorized varifocal) |
| **RANGE:** | from 3 to 30m |
| **PROCESSOR:** | QUADCORE + HW VIDEO ENCODER unit + Neural coprocessor |
| **MEMORY:** | 4GB RAM, 16GB e-MMC Flash |
| **OPERATING SYSTEM:** | Linux |
| **STORAGE:** | HD SSD 128GB (option up to 2TB) |
| **LAN AND PORT:** | N.2 input opto-isolated NPN-PNP ;12-24Vdc., |
| | N.1 fast output strobo NPN 12-24Vdc., |
| | N.1 output full relè 12-24Vdc, |
| | N.1 10/100/1000 Ethernet port |
| | N.1 RS-485 port |
| **STREAMING:** | MJPEG, H264 |
| **SENSING:** | Accelerometers, Temperature, Humidity, Consumption, Inclinometer |
| **PROTOCOLS:** | TCP, FTP, XML-RPC (on HTTP/HTTPS), RTSP, openVPN, HTTP, HTTPS, ONVIF |
| **POWER SUPPLY:** | +24VDC (2,5 A) or +12VDC (5A) (15W tipically) or Ultra PoE 60W 6th Class |
| **DIMENSIONS:** | 240 x 230 x 190 mm (width, height, depth) |
| **WEIGHT:** | 5 Kg approx. |
| **OPERATING TEMPERATURE:** | -30°C / 60°C |
| **HUMIDITY:** | 90% Relative humidity non condensing |
| **PROTECTION:** | IP67 + IK10 |
| **ILLUMINATOR:** | CLASS 1M CEI EN 69825-1 ED. 4, 850 nm IR LED |

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