STP MFSC

- Mechanical housing for insertion into the SmarTekPole structure
- 2 lanes cover, single o double direction
- 5 MPixel @ 75fps ANPR Camera bi-spectral BW IR OCR & Color context
- 2 MPixel Varifocal Day&Night Color CCTV Camera @60fps
- Optical zoom 21x & corridor fnction integrated
- Remote controlo zoom, focus, sensor rotation
- Plate reading function up to 250 Km/h in free-run
- Integrated Strobes IR LED Lighting
- Software function OCR library on board with 36 European countries, 7 Asia, 5 Africa, 4 South America and special plates as trailers, Kemler ADR, Tram
- Software function Daylight Video Classification of Vehicles 5+1 classes (Truck, Bus, Car, Motorbike, Van + unknown);
- Software function Night Video Classification of Vehicles 4+1 classes (Truck, Bus, Car, Motorbike, + unknown);
- Software function Daylight Video Classification of vehicle's colour (white, grey, red, blue, black, yellow + unknown)
- Software function Daylight Video Recognition of vehicle's makers
- Software function Daylight Video Recognition of the model of vehicles (rear view)
- Software function Complete AID alarm suite: Stopped Vehicle, Incident detection, Pedestrian, Traffic Slow; Queue, Smoke-Fog, Objects detected on the roadway, Wrong-way detection
- Software function statistics data production
- Colour 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 MFSC is the 5Mpixel OCR, 2 MPixel Context 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 and traffic control aspects.

The product has a powerful Optical Character Recognition (OCR) library complete with 27 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 ...) to operate a professional license plate reading. Various other neural algorithms then contribute to giving further information relating to the vehicle whose license plate was read such as: the vehicle class, colour, brand, model (optional).

The product also features a powerful suite of A.I.D. professionals capable of generating alarms or warning events relating to the state of traffic such as: the presence of queues on the road section, slowed-down traffic, vehicle against hand, presence of smoke/fog on the passage, pedestrian in the street, presence of objects on the roadway. **STP MFSC** is also able to produce statistical reports relating to count, type, average traffic speed, level of occupancy of the controlled road.

Data

Data, alarms, statistics, images and video streaming can be stored directly locally on the HD SSD, sent to the customer's supervision system or sent

V-190424-0624-UPD

Dasa-Rägister

to the supervision platforms contained in the Vigilate v-SUITE. The device has FTP, XML-RPC (over HTTP) and serial transmission protocols.

- Smart City
- Smart Road

Vigilate S.r.l.

Via Napoleonica, 6 - 25086 Rezzato BS Tel. +39 030 8081000 | Fax +39 030 8081019 | www.vigilatevision.com | info@vigilatevision.com
Cap. Soc. € 10.000,00 I.V. | C.F. / P.IVA .: IT 01598660056 - SDI: W7YVJK9

Dasa-Rägister

STP MFSC

DATASHEET:

ANPR Camera:	bi-spectral OCR BW + Color Context 5 Mpixel (2560x1936) @ 75fps
CCTV module Axis Camera:	Color 2 Mpixel Varifocal Day&Night @60fps
OCR LENS:	Varifocal IR compensated C mount 8
CCTV LENS:	Varifocal auto-iris motorized CS-mount 2,8-8mm f1,3
RANGE OCR LENS:	from 10 to 25m
RANGE CCTV :	from 15 to 250m
OCR PROCESSOR:	QUADCORE + HW Video encoder unit + Neural Coprocessor
CCTV PROCESSOR:	QUADCORE + HW Video encoder unit + Neural Coprocessor
MEMORY:	4GB RAM, 32GB 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 strobe 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 ONVI S profile
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) (20W typically) or Ultra PoE 60W 6th Class
DIMENSIONS:	138 x 200 x 138 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