



# Vega Smart Speed

Automatic Number Plate Reader

▼ **Real time detection of infringements with OCR on board**

Embedded multi tracking radar

Detection of vehicles infringing average speed or punctual speed limits

All transit plates are recorded and available for:

No post-processing requested

Capability to recognise every plate (not only violators), very useful for security purposes

- Speed enforcement (spot/average)
- Tax and insurance control
- Vehicle tracking
- Traffic monitoring



▼ **Application**

- Enforcement
- Traffic monitoring
- Security

# Speed Enforcement

SMART SPEED	
<b>Software features and Performance</b>	
Lane Detected	2
Max Speed Detected [km/h]	250
Working Distance [m]	up to 25
Detection	99%
Reading	>95%
OCR	ANPR engine on board
2nd Lever OCR	optional
Grabbing	75 fps
Classification	optional
Vehicle Color	optional
Vehicle Maker	optional
Vehicle Model	optional
AES256	Yes
SHA2	Yes
Compression	JPG
Streaming	Color video streaming H.264 via standard protocol RTSP
<b>Configuration</b>	
Web Server	Installation and configuration by Web Server on board
TCP/IP Server	Configuration and monitoring through TCP/IP protocol. (SDK provided)
Date and Hour	Synchronization via NTP protocol, IEEE1588, GPS
Software Update	Upgrading via Web Interface and SDK
<b>Data Transmission</b>	
FTP	FTP Client to FTP Server mode for remote data transmission; Multiple IP servers addressable
TCP/IP	Tattile TCP/IP open protocol; (SDK provided)
Standard protocols	XML; SNMP; NTCIP; DATEX2; UTMIC; ONVIF; MODBUS
Serial Port	Insulated RS485

SMART SPEED	
<b>Op. Mode</b>	
Free Run	Continuous processing with automatic vehicle detection, even without plate
Triggered	Image capture and processing triggered by Ethernet command or digital signal
<b>System</b>	
ANPR camera	5 MPX BW 5 MPx Color (color version)
Context camera	MegaPixel Color CMOS sensor
Illuminator	12 high power LEDs, InfraRed @ 850 nm
Lenses	C-Mount. Many focal lengths available.
Operating System	Linux Operating System
Digital i/o	6 Optoisolated input - 4 Relay Output – 1 Strobe output
Connectors	Waterproof circular connector
IP Protection	Waterproof IP68
Ethernet	GigaBit Ethernet 10/100/1000
Storage	uSD up to 128 GB HD/SSD up to 1 TB
GPS	Optional
LTE	Optional
WiFi (Easinstall)	Yes
<b>Technical Datas</b>	
Operating & Storage Temperature	From -40° to +55° C
Operating & Storage Humidity	From 10% to 90% non condensing
Power supply voltage	24 Vdc
Power consumption	50 W (max)

