



Vega Smart Speed

Automatic Number Plate Reader

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

Embedded multi tracking radar

No post-processing required

Detection of vehicles exceeding average speed or punctual speed limits

Ability to recognise every plate passing under the camera and not only violators.

This is very useful for security or statistical purposes

All transit plates are recorded and available for:

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



▼ **Application**

- Enforcement
- Traffic monitoring
- Security

Speed Enforcement

SMART SPEED	
Software features and Performance	
Lane Detected	2
Max Vehicle Speed	250 km/h - 155 mph
Working Distance	Up to 35 m - Up to 115 ft
Detection	99%
Reading	>95%
OCR	ANPR (ALPR) engine on board
Third party OCR	optional
Capture rate	Up to 75 fps
Classification	optional
Vehicle Color	optional
Vehicle Brand	optional
Vehicle Model	optional
AES256	Yes
SHA2	Yes
Compression	JPG
Streaming	Video streaming via standard RTSP protocol
Configuration	
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
Data Transmission	
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	
Op. Mode	
Free Run	Continuous processing with automatic vehicle detection, even without plate
Triggered	Image capture and processing triggered by Ethernet command or digital signal
System	
ANPR (ALPR) camera	5 MPX BW
	5 MPx Color (color version)
Context camera	2.3 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
	Optional HD/SSD
GPS	Yes
LTE	Optional
Technical Data	
Operating & Storage Temperature	From -40° to +60° C - From -40° to +140° F
Operating & Storage Humidity	Up to 95% non condensing
Dimensions	404 x 127 x 235 mm - 15.9 x 5 x 9.25 in (WxHxL)
Weight	7.4 kg - 16.31 lbs
Power supply voltage	24 Vdc
Power consumption	50 W (max)

Part Numbers

Vega Smart Speed	
F01766	Smart Speed

