



# Vega1

Automatic Number Plate Reader

▼ **The Vega1** is a dual channel camera built in a compact case.

It is mainly targeted to single lane vehicle tracking, traffic limited areas and priority lanes. Its high sensitivity image sensors are available for ANPR reading, video streaming even in extreme and low light conditions.

The camera allows an easy setup to minimize the installation and maintenance time. Thanks to its local storage, it can work stand alone in case the connectivity is not available.

The Vega1 is compact, easy to install and does not require an external IR lighting. The extra compact case reduces installation impact.



▼ ANPR onboard

▼ Local storage

▼ Speed estimation

▼ Video streaming

# Single Lane Track

## Applications:

- Single lane road tracking
- Surveillance and access control
- Congestion charge
- Limited traffic areas, priority lanes

## Optional functionalities:

- GPS
- LTE
- Vehicle brand
- Vehicle class
- Vehicle color
- Vehicle model

VEGA1	
<b>Software features and Performance</b>	
Lane Detected	1
Max Vehicle Speed [km/h]	200
Working Distance [m]	Up to 25
Detection	99%
Reading	>95%
OCR	ANPR engine on board
Third party OCR	optional
Capture rate	Up to 60 fps
Classification	optional
Vehicle Color	optional
Vehicle Brand	optional
Vehicle Model	optional
AES256	Yes
SHA2	Yes
Compression	JPG
Streaming	Color video streaming via standard RTSP protocol
<b>Configuration</b>	
Web Server	Installation and configuration with on board Web Server
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

VEGA1	
<b>Op. Mode</b>	
Free Run	Continuous image capture and processing
Triggered	Image capture and processing triggered by Ethernet command or digital signal
<b>System</b>	
ANPR camera	Up to 3 Megapixel grayscale sensor
Context camera	Up to 3 Megapixel color sensor
Illuminator	10 high power LEDs, InfraRed @ 850 nm
Lenses	C-Mount. Many focal lengths available.
Operating System	Linux Operating System
Digital i/o	2 Inputs - 2 Outputs - 1 Strobe output
Connectors	Waterproof circular connector
IP Protection	Waterproof IP67
Ethernet	GigaBit Ethernet 10/100/1000
Storage	uSD up to 128 GB
GPS	Optional
LTE	Optional, external
<b>Technical Data</b>	
Operating & Storage Temperature	From -40° to +60° C
Operating & Storage Humidity	Up to 95% non condensing
Dimensions	187 x 103,5 x 216 mm (WxHxL)
Power supply voltage	24 Vdc or PoE+ 802.3at Type2
Power consumption	15 W (max)

## Part Numbers

Vega 1	
F01870	Vega 1 Long Range
F01872	Vega 1 Short Range

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