Vega Basic Family

Automatic Number Plate Reader

- Mainly targeted to stop & go tolling, parking and access control systems, with a maximum input power of 13W, the Vega Basic line features a Power-over-Ethernet (POE) interface for minimizing the installation and maintenance time
- New generation full HD sensor for reading reflective and non reflective plates
- A multicore processor on board with Linux operating system
- Stand alone: thanks to local buffering of information, the system is able to function also in case of disruption in the data connection
- Extra compact size to reduce the installation impact
- The Vega Basic is easy to install and does not require an external IR lighting
- Vandal proof connectors

Small and Performant

Vega Basic Family Applications

- Stop & Go tolling
- Parking
- Access control
- Urban road tracking
- Congestion charge
- Access control to limited traffic areas
- Axle counting

Included Features and Optionals

	Vega Basic Short range	Vega Basic Long range	Vega1	
			Incl.	**Opt.**
Multicore Processor	X	X	X	
OCR Bw sensor	X	X	X	
OCR Color sensor (color version)	X	X		
Context color sensor			X	
Video streaming			X	
Micro Sd	X	X	X	
Linux Os	X	X	X	
OCR	X	X	X	
Kemler/ADR recognition	X	X	X	
Autoiris	X	X	X	
Speed Estimation	X	X	X	
Model Recognition				X
Class Recognition				X
Brand Recognition				X
Color Recognition				X

Incl. = Included / Opt. = Optional

Vandal proof connectors

Custom ANPR Solutions

Vega Basic Short Range - Long Range

Automatic Number Plate Reader

The Vega Basic Line is built around a small and compact case

POE allows a single wire connection

Optionals can be installed upon request

Impressive capability to keep the device always updated

Available in BW and Color version

	BASIC SHORT RANGE	BASIC LONG RANGE
Software features and Performance		
Lane Detected	1	
Max Vehicle Speed [km/h]	70	150
Working Distance [m]	up to 8	up to 25
Detection	99%	
Reading	>95%	
OCR	ANPR engine on board	
Capture rate	Up to 60 fps	
AES256	Yes	
SHA2	Yes	
Compression	JPG	
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	
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)	
Wiegand	Yes	
Standard protocols	XML; SNMP; NTCIP; DATEX2; UTMC; MODBUS	
Serial Port	Insulated RS485	

Parking Access Control - Stop & Go Tolling

	BASIC SHORT RANGE	BASIC LONG RANGE
Op. Mode		
Free Run	Continuous image capture and processing	
Triggered	Image capture and processing triggered by Ethernet command or digital signal	
System		
ANPR camera	2 MPX BW	
	2 MPx Color (Color Version)	
Illuminator	8 high power LEDs, InfraRed @ 850 nm	
Lenses	C-Mount. Many focal lengths available	
Operating System	Linux Operating System	
Digital i/o	2 Optoisolated input - 2 Relay Output – 1 Strobe output	
IP Protection	Waterproof IP67	
Ethernet	GigaBit Ethernet 10/100/1000	
Storage	uSD up to 128 GB	
Vandal proof Connector	Yes	
Technical Data		
Operating & Storage Temperature	From -40° to +60° C	
Operating & Storage Humidity	Up to 95% non condensing	
Dimensions	178 x 90 x 133 mm (WxHxL)	
Weight [kg]	1.5	
Power supply voltage	24 Vdc, PoE	
Power consumption	12 W (max)	

Part Numbers

Vega Basic	
F01750	Basic short range
F01752	Basic long range
Vega Basic Color	
F01751	Basic color short range
F01753	Basic color long range

The Vega Basic Short Range

can read up to 8 meters far at 70km/h max speed

The Vega Basic Long Range

can read up to 25 meters far at 150km/h max speed

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