Vega Basic Family

Small and Performant

Automatic Number Plate Reader

▼ A multicore processor on board with Linux operating system

▼ 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

▼ 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

▶ Vega Basic Family Applications

• Stop & Go tolling

• Parking

• Access control

• Urban road tracking

• Congestion charge

• Access control to limited traffic areas

▶ Included Features and Optionals

	Vega Basic Short range		Vega Basic Long range	
	Incl.	Opt.	Incl.	Opt.
Multicore Processor	X		X	
Fpga	X		X	
Bw 2Mp sensor	X		X	
Color 2Mp sensor (for color version)	X		X	
Micro Sd	X		X	
Linux Os	X		X	
OCR	X		X	
Autoiris	X		X	
Easinstall App	X		X	
Speed Estimation	X		X	
Model Recognition		X		X
Class Recognition		X		X
Brand Recognition		X		X
Color Recognition		X		X

Incl. = Included / Opt. = Optional

▼ Vandal proof connectors

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Vega Basic Short Range - Long Range

Automatic Number Plate Reader

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

POE allow a single wire connection

Optionals can be installed on demand

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 Speed Detected [km/h]	70	150
Working Distance [m]	up to 8	up to 25
Detection	99%	
Reading	>95%	
OCR	ANPR engine on board	
2nd Lever OCR	not available	
Grabbing	60 fps	
Classification	optional	
Vehicle Color	optional (color version)	
Vehicle Maker	optional	
Vehicle Model	optional	
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	

	BASIC SHORT RANGE	BASIC LONG RANGE
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 camera	2 MPX BW	
	2 MPx Color (Color Version)	
Illuminator	8 high power LEDs, InfraRed @ 850 nm	
Lenses	CS-Mount. Many focal lengths available	
Operating System	Linux Operating System	
Digital i/o	2 Optoisolated input - 2 Relay Output – 1 Strobe output	
Connectors	Safe Connector	
IP Protection	Waterproof IP67	
Ethernet	GigaBit Ethernet 10/100/1000	
Storage	uSD up to 128 GB	
WiFi (Easinstall)	Yes	
Vandal proof Connector	Yes	
Technical Datas		
Operating & Storage Temperature	From -40° to +55° C	
Operating & Storage Humidity	From 10% to 90% non condensing	
Dimensions	178 x 90 x 133 mm (WxHxL)	
Weight [kg]	1.5	
Power supply voltage	24 Vdc, PoE	
Power consumption	13 W (max)	

The Vega Basic Short Range
can read up to 8 meters far at 60km/h max speed

The Vega Basic Long Range
can read up to 25 meters far at 150km/h max speed

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

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