

VEGA 1

3MP Dual-Sensor ANPR Camera

DESCRIPTION

The Vega 1 is a dual-channel camera built in a compact case. With its powerful design, Vega 1 can read the number plate on 200km/h vehicle from 25 meters away as well as streaming visible video 24/7 simultaneously. The high sensitivity image sensor is installed for ANPR reading, video streaming in extremely low light conditions. Thanks to its local storage, the video is well restored even if the network connectivity is no longer available. The superb Vega 1 is suitable for single lane vehicle tracking, traffic limited areas, and priority lanes.

FEATURES

>95% Accuracy of onboard ANPR

Recognition up to 200km/hr

One-lane Coverage

Speed estimation

Webpage Remote Control

Video streaming 24/7

ONVIF Compliance

Local storage up to 128GB

Waterproof IP67

Built-in IR illuminator

Support GPS/LTE(Optional)



Features and Performance

| | |
|--------------------------|--|
| Lane Detected | 1 |
| Max Vehicle Speed [km/h] | 200 |
| Working Distance [m] | Up to 25 |
| Detection | 99% |
| Reading | >95% |
| OCR ANPR engine | on board |
| 2nd Lever OCR | optional |
| Grabbing | 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 |

Configuration

| | |
|-----------------|--|
| 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 |

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 |

Operation Mode

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|-----------|--|
| Free Run | Continuous processing with automatic plate detection |
| Triggered | Image capture and processing triggered by Ethernet command or digital signal |

System

| | |
|------------------|--|
| 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 |

Specs



| System | |
|---------|------------------|
| Storage | uSD up to 128 GB |
| GPS | Optional |
| LTE | Optional |

| Technical Data | |
|---------------------------------|--------------------------------|
| Operating & Storage Temperature | From -40° to +60° C |
| Operating & Storage Humidity | From 10% to 90% non condensing |
| Power supply voltage | 24 Vdc |
| Power consumption | 15 W (max) |

| Ordering Information | |
|----------------------|---|
| F01870 | VEGA1 Long Range |
| F01872 | VEGA1 Short Range |
| F01836 | Power Supply for Vega and Vega1 series |
| T19362 | GPS module for Vega1 |
| T19841 | Pole Collar for Vega and Vega1 series |
| T19943 | Horizontal Pole Collar for Vega and Vega1 series |
| T19958 | MicroSD 64GB for Vega and Vega1 series instead of 8GB |
| LIC_00019 | Brand Color and Classification Software for Vega1 |

VEGA 1 DIMENSION IN MM

