

## VetaPlus

Automatic Number Plate Reader

**DOITRONIC**  
Sicherheits- und Kommunikationstechnik

Einbruch- und Brandmeldetechnik  
Videoüberwachungsanlagen  
Telekommunikation  
BUS-System  
Elektro

## Product Information

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### Features

- All in one system: camera, analyser, illuminator
- Processing of up to 15 number plates/second
- RAM or Flash management of white/black list
- Range of action (base models): up to 22 m
- PC and shelter system not required
- Ethernet interface for supervised architecture
- Web Server functionality for Set-Up via Browser
- Configurable in stand alone/on-line modality
- Low Voltage and Low Power Consumption (7W)
- Weatherproof Housing standard IP 66

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### Front View



\* Integrated ANPR of front and rear Car Number Plates

### Typical Applications



Free Flow ANPR



Crime Prevention



Toll System



Restricted Traffic Zone



Traffic Monitoring



Logistics & Customs

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### Software Features

#### NUMBER PLATE

Country

Types

Results

Color

#### RECOGNITION

ANPR Software

Font – Pattern

Sensitivity

Analysis

Speed

Results

#### USER INTERFACE

Interface

Configuration

Permission

Number plate recognition of up to 4 different countries

Current and former IR-Reflective number plate models

Number Plate Character string and/or image (RAW, BMP, JPG compressed – parametrizable image quality)

Monochromatic, 256 grey levels

Proprietary Number Plate Recognition Software

Matching of font and geometric string layout control

Configurable sensitivity

Statistical algorithms

Up to 20 (1024x768 sensor) or 12 (1400x1000) processed plates per second

Read, Not\_Read, No\_Plate (triggered mode only)

Graphical toolbar menu interface – Web browser interface

Easy LAN connection and configuration via Integrated Web Server, login and password protected

Administrator and Users levels

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### Technical Features

#### SYSTEM

Grabbing and plate search

Up to 25 (640x480 sensor) or 15 (1400x1000 sensor) processed plates per second

Synchronization

Automatic (free-run mode) or asynchronous (triggered mode) Number Plate Search

Operating System

Embedded TOS

Operating System

Linux Kernel Available

#### DIGITAL CAMERA

Image Sensors

B/W CCD 1600x1200 pixels progressive scan SHAD CCD  
B/W CCD 1400x1000 pixels progressive scan ex-view CCD

Illuminator

IR 735 nm, 810 nm, 850 nm, class 1 or 1M

Optics

According to EN 60825-1

Fixed focus C Mount Lens for 1" format sensor, f=50 mm or f=25 mm

Frame Rate

25 fps @ 1600x1200; 15 fps 1400x1000

DIGITAL I/O

Input

2 PNP Optoisolated inputs 24 Vdc

Output

3 PNP Optoisolated outputs 24 Vdc

#### COMMUNICATION

Ethernet 10/100 Mbps

TCP, UDP, FTP, HTTP, DHCP

RS 232

1 line baud rate 1200:115200

RS 485

1 line half duplex baud rate 1200:115200

#### ENVIRONMENTAL, DIMENSIONS,

#### POWER SUPPLY

Operating Temp.

-10° to 55° C

Operating Humid.

10 to 90% non cond.

Storage Temp.

-20° to 65° C

Storage Humidity

10 to 90% non cond.

Housing and Sunshield

Extruded Aluminum Body Epoxypolyester powder painted Color RAL 9002

Dimensions

Housing: 450 x 153 x 141 mm with Sunshield: 590 x 175 x 168 mm

Weight

7 Kg

Protection level

Weatherproof standard IP66 according to EN 60529

Loop Detector (optional)

Control Unit

(5+1 classes) Loop Detector System for classification and speed measure according to TLS - 1933

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