

# Vega 2HD

Automatic Number Plate Reader



## APPLICATIONS

- ▼ Toll collection
- ▼ Free Flow
- ▼ Traffic monitoring
- ▼ Logistics & Customs

## FEATURES

- ▼ All in one: monochrome and color sensors, OCR on board, IR illuminator
- ▼ No external trigger required
- ▼ Real time processing: up to 75 fps
- ▼ Range of action: up to 25 m
- ▼ SD memory card up to 32 GByte
- ▼ Color video streaming: H.264 & MPEG4
- ▼ Ethernet, digital I/O, RS485 serial port
- ▼ Waterproof housing IP66 with bracket included
- ▼ Web server configuration and setup.





# Vega 2HD

## SOFTWARE FEATURES

### LICENCE PLATE RECOGNITION

|                 |                      |
|-----------------|----------------------|
| <b>OCR</b>      | ANPR engine on board |
| <b>Grabbing</b> | Up to 75 fps         |

### CONFIGURATION

|                        |   |
|------------------------|---|
| <b>Web Server</b>      | Installation and configuration by Web Server on board |
| <b>TCP/IP Server</b>   | Configuration and monitoring through TCP/IP protocol  |
| <b>Date and Hour</b>   | Synchronization via SNTP protocol                     |
| <b>Software Update</b> | Upgrading via Web Interface                           |

### DATA TRANSMISSION

|                    |   |
|--------------------|---|
| <b>FTP</b>         | FTP Client to FTP Server mode for remote data transmission; two IP address management |
| <b>TCP/IP</b>      | Tattile TCP/IP open protocol; two IP address management                               |
| <b>Serial Port</b> | RS485   |

### VIDEO STREAMING

|                    |   |
|--------------------|---|
| <b>H.264/MPEG4</b> | Color video streaming H.264 or MPEG4 (VGA up to 15fps ) |
|--------------------|---|

### OPERATING MODE

|                  |  |
|------------------|--|
| <b>Free Run</b>  | Continuous processing with automatic vehicle detection, even without plate.  |
| <b>Triggered</b> | Image capture and processing triggered by Ethernet command or digital signal |

## TECHNICAL FEATURES

### SYSTEM

|                         |   |
|-------------------------|---|
| <b>ANPR Camera</b>      | 2560 x 2048 Monochrome CMOS sensor                                    |
| <b>Context camera</b>   | 2560 x 2048 Color CMOS sensor   |
| <b>Illuminator</b>      | 6 high power LEDs, InfraRed @ 850 nm                                  |
| <b>Lenses</b>           | C-Mount. Many focal length available.                                 |
| <b>Operating System</b> | Embedded TOS (Tattile Operating System)                               |
| <b>Digital I/O</b>      | 1 Optoisolated input - 1 Relay Outputs - 1 Strobe output - 4 ID input |
| <b>Connectors</b>       | Waterproof circular connector   |
| <b>Ethernet</b>         | Fast Ethernet 10/100  |
| <b>Serial Port</b>      | Insulated RS485   |
| <b>Storage</b>          | Up to 32 GB (4 GB default)  |

### ENVIRONMENT, SIZE, POWER

|  |                                |
|--|--------------------------------|
| <b>Operating &amp; Storage Temperature</b> | From -30° to +55° C            |
| <b>Operating &amp; Storage Humidity</b>    | From 10% to 90% non condensing |
| <b>Dimensions</b>                          | 144 x 135 x 470 mm (WxHxL)     |
| <b>Weight</b>                              | 5 kg                           |
| <b>Protection</b>                          | Waterproof IP66                |
| <b>Power supply voltage</b>                | 24 Vdc                         |
| <b>Power consumption</b>                   | 12 W                           |

T:SPVEGA2HD:13.01