

VEGA 2H RADAR

ANPR - Speed Enforcement & Red Light Violations



Automatic Number Plate Reader
with color context camera and radar system integrated

FEATURES

- All in One: ANPR, context camera, analyzer, illuminator and Radar
- Vehicles classification (4+1 Class)
- Installation on road side and gentry
- Radar Technology K-band
- Up to 27 country OCR on-board
- Speed Enforcement on 1lane
- Range of action: up to 15 m
- Watherproof Housing standard IP 66 with bracked and sunshield
- Black and White list management

Typical Applications

Speed Enforcement



Red Light Violations



Law Enforcement



Toll Systems



Traffic Monitoring



Logistics & Customs



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SOFTWARE FEATURES	
PLATES RECOGNITION	
Country	Able to read up to 27 different countries number plates
OCR	Proprietary Number Plate Recognition Software
Classification	Up to classification 4 + 1 class with radar
Speed Analysis	Up to 30 plates per second
CONFIGURATION	
Web Server	Integrated web server with a graphical interface for a simply installation and configuration 3 level of users: Administrator, User and Guest
TCP/IP Server	Configuration and management via Socket TCP/IP
Plate List	Black/White List management with events generation
Date and Hour	Synchronization via SNTP Protocol
Software Update	Web Software Update
DATA TRANSFERT	
FTP	FTP Client to remote FTP Server for image (B/W and color) and data transmission. Easy web configuration
TCP/IP	Data and Image transmission to remote server via Socket TCP/IP. Content of messages completely configurable via Web
PNS Alarm	Image and data transmission to PC with PNS II- Public Net Safe II.
Digital outputs	Outputs management in case of events
Serial Ports	Send messages completely configurable via Web

TECHNICAL FEATURES ANPR	
SYSTEM	
B/W Camera	CCD Sensor 1400x1000- 30 fps - 2/3"
Color Camera	CCD Sensor Super HAD PAL Interlaced 1/2"
Illuminator	Infrared illuminator 810nm
Optics	Standard C mount
Digital I/O	2 optoisolated inputs 24VDC 2 relè outputs
Connector	Weatherproof connector on Housing
Ethernet	100 Mbit
Serial Ports	RS 232 baud rate 1200:115200 RS 485 baud rate 1200:115200
ENVIROMENTAL, DIMENSION AND POWER SUPPLY	
Operating Temp.	-10° to 55° C -40° to 55°C (available on request)
Operating Humid.	10 to 90% non cond.
Dimensions	Housing: 233 x 327x 515 mm (W x H x L)
Weight	12 Kg
Protection level	Weatherproof standard IP66 according to EN 60529
Power Consumption	24 Vdc +/- 5%, 20W

TECHNICAL FEATURES RADAR	
SYSTEM	
Trasmit Frequency	24.125 GHz
Output Power	20 dBm
Temperature Drift	-500 kHz/°C
Antenna Pattern	H: 5° Azimuth V: 22° Elevation
Side Lobe Suppression	H: 15 dB Azimuth V: 15 dB Elevation
I/Q Balance	Amplitude: 6 dB Phase: 90°
ENVIROMENTAL, DIMENSION AND POWER SUPPLY	
Operating Temp.	-50° to 85° C
Storage Temp.	90° C
Supply Voltage	5.0 V



VEGA2H
Rear View



VEGA2H RADAR
Front View

