



Integrated ANPR of front and rear Car Number Plates

FEATURES

- All in one system: camera, analyser, illuminator
- Processing of up to 20 number plates/second
- RAM or Flash management of White/Black list
- Range of action: 4,7 up to 20 m
- PC and shelter systems are not required
- Ethernet interface for supervised architecture
- Web Server functionality for Set-up via Browser
- Digital I/O and Serial Ports for local actions
- Configurable in stand-alone/on-line modality
- Low Voltage and Low Power Consumption (7W)
- Weatherproof Housing standard IP 66

Typical Applications

Security & Access Control



Crime Prevention



Toll Systems



Automatic Parking



Traffic Monitoring



Logistics & Customs



SOFTWARE FEATURES	
NUMBER PLATE	
Country	Number plate recognition of up to 4 different countries
Types	Current and former IR-Reflective number plate models
Results	Number Plate Character string and/or image (RAW, BMP, JPG compressed – parametrizable image quality)
Color	Monochromatic, 256 grey levels
RECOGNITION	
ANPR Software	Proprietary Number Plate Recognition Software
Font – Pattern	Matching of font and geometric string layout control
Sensitivity	Configurable sensitivity
Analysis	Statistical algorithms
Speed	Up to 25 (640x480 sensor) or 20 (1024x768 sensor) processed plates per second
Results	Read, Not_Read, No_Plate (triggered mode only)
USER INTERFACE	
Interface	Graphical toolbar menu interface – Web browser interface
Configuration	Easy LAN connection and configuration via Integrated Web Server, login and password protected
Permission	Administrator, Operator and Guest levels
DATA DOWNLOAD AND COMMUNICATION	
PC/Server functioning	FTP Client vs. Remote FTP Server(s) for Images and Data Download. Alternatively: transmission of commands to VEGA and data from VEGA through the TCP/IP socket. Fully configurable addressing table according to results
PNS Alarm mode	Images and Data transmission to PC station with Public Net Safe II Software installed (Tattile's Application).
Pulse Out mode	3 digital outputs and Relay (optionals)
Data message customization	String syntax fully configurable for integration with access control systems or third party software
Data transmission	Ethernet (FTP and PNS alarm protocols), Serial Ports RS 232 and RS 485 (RAW message or Tattile protocol)

TECHNICAL FEATURES	
SYSTEM	
Grabbing and plate search	20 processed plates per second
Synchronization	Automatic (free-run mode) or asynchronous (triggered mode) Number Plate Search
Acquisition Mode	Free-run, Trigger start/stop, Trigger start/time, Trigger start+free_run_stop
Operating System	Embedded TOS (Tattile Operating System)
DIGITAL CAMERA	
Image Sensors	B/W CCD 1024x768pixels (XVGA model) @ 20fps
Illuminator	IR 735 nm, 810 nm, 850 nm, class 1 or 1M According to EN 60825-1
Optics	Fixed focus C Mount Lens for 1/3" format sensor, f=12,5 mm or f=16 mm
DIGITAL I/O	
Input	2 TTL or PNP Optoisolated inputs 24 Vdc 10 mA
Output	3 PNP Optoisolated outputs 24 Vdc 100 mA Alternatively (optional 3 Relay & Spring Kit): Power free relay contacts of up to three SPDT relays (contacts: Vmax=48 Vdc/Vac)
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 -40° to 55°C (available on request)
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 Epoxy polyester powder painted Color RAL 9002
Dimensions	Housing: 138 x 133 x 407 mm (W x H x L) with Sunshield: 144 x 135 x 470 mm (W x H x L)
Weight	4 Kg
Protection level	Weatherproof standard IP66 according to EN 60529
Power Consumption	24 Vdc +/- 5%, 7W

AUTOMATIC NUMBER PLATE READER

