

# AGUIA

## ANPR Camera and Traffic Light Enforcement

**AGUIA** is an ANPR and traffic light enforcement camera, images and data of all vehicles and traffic statistics are available for analysis and police investigation. AGUIA is fully integrated with Velocar Security Portal (VSP). VSP is the web based Velocar software solution for back office and systems monitoring.

- Functionalities: Free Flow ANPR and Traffic Light Enforcement.
  - Multiple functionalities on each lane can be activated.
  - Each lane is independent and can be configured individually.
  - Integrated ANPR engine with country recognition.
  - Video based vehicle classification and speed measurement.
  - High quality H.264 color video streaming.
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- Up to two lanes.
  - Road side or gantry installation.
  - Dual cameras both gray level and color.
  - Invisible infrared illuminator.
  - Wide input power supply voltage range ( 9-18 VDC) or PoE+.
  - Easy access to optics setup by side opening system.
  - Bracket with internal cable.



## GENERAL FEATURES

<b>Lanes</b>	Independent lanes with multiple functionalities.
<b>ANPR Engine</b>	Integrated ANPR engine with country recognition.
<b>Security</b>	Digital Sign and AES encryption.
<b>Remote Control</b>	Web services.
<b>Configuration</b>	Integrated web based interface.
<b>Privacy</b>	Automatic mask of vehicle's plate not involved in the violation.
<b>Text Overlay</b>	Fully configurable also on multiple lines. Support of UNICODE characters sets.
<b>Real time vehicles control</b>	Checking of all vehicles integrated with VSP.
<b>Traffic statistics</b>	Integrated with VSP. Data of every single vehicle are available.
<b>Vehicle speed</b> <b>Vehicle Classification</b> <b>Vehicle Direction</b>	Computed by image processing.

## HARDWARE FEATURES

<b>Cameras</b>	High resolution graylevel camera dedicated to ANPR High resolution color camera for scene overview.
<b>Storage</b>	SSD 64GB
<b>Illuminator</b>	Invisible infrared LED.
<b>Operating temperature</b>	-30 °C +55 °C
<b>Network</b>	1x Gigabit LAN
<b>Mechanical</b>	Aluminium 174x514x180mm (WxHxL)
<b>IP rating</b>	IP66
<b>Power requirements</b>	9-18 VDC 15W or PoE+
<b>Cable connections</b>	Integrated inside the bracket.
<b>Sensors</b>	3-axis inclinometer
<b>Regulations</b>	CE, RoHS

## RED LIGHT ENFORCEMENT

<b>Lanes management</b>	Up to two lanes.
<b>Detection technology</b>	Real time image processing.
<b>Vehicle classification</b>	Real time image processing.
<b>Traffic light</b>	Up to two traffic light.
<b>Traffic light status detection</b>	Through digital signals or through image processing.
<b>Violation documentation</b>	Multiple graylevel and color images and video H.264 (up to 40 seconds) with pre and post recording.
<b>Red and yellow time</b>	Measure of yellow time and red progressive time.



Models	Rev	Description
AGUIA-T1	0	One lane
AGUIA-T2	0	Two lanes

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