OMNIA LPR Server 2.0

OMNIA LPR Server 2.0 is the **new generation software** solution installable on a Windows-based server that is designed to enable license plate reading on standard IP cameras and to make traffic analysis and vehicle identification easier through a newly designed and **intuitive user interface**.

SCALABLE

The OMNIA LPR Server 2.0 does not need specific LPR cameras, it only requires a quality video stream and its **state-of-the-art OCR engine** does all the rest.

OMNIA LPR Server 2.0 has been developed to **support H.264, H.265 video streams** too, with the incredible advantage of hardware resources optimization, and for being run as a Windows service so as to automatically start the plate detection when starting the OS.

INTEGRATED

Fully integrated within the Arteco VEMS, it seamlessly syncs with video surveillance devices, access control and numerous additional systems. Thanks to it multiple notification protocols, it can be also integrated with third party solutions for traffic monitoring and parking management systems.

OMNIA LPR Server 2.0 can also be configured to **manage up to 4 license plate lists per video channel** and remotely trigger relays, so as to facilitate the automated management of gated communities, parking lots and more, resulting in a cost-effective solution.

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VERTICAL

OMNIA LPR Server can be applied in various markets: crime prevention, access control, attendance management, smart city traffic monitoring, gated communities and parking management.

FEATURES

For each channel, OMNIA LPR Server offers the following advanced configuration opportunities:

- Area Configuration: possibility to **define read/non-read zones** to limit false events and inaccuracies
- Remote Control: rule-based output trigger by sending **http/cgi commands** to cameras, smart I/O devices (eg. Arteco Everywhere 3.0) or third party solutions.
- Plate List management: loading and managing **up to 4 lists of license plates per channel**
- Events Notification: possibility to send events via **FTP, JSON** on the basis of multiple rules: every plate read, only the plates on the selected list(s).

VIDEO REQUIREMENTS	
Number of channels	Unlimited channels per server
Resolution	Min 480p, Max 4K
Stream format	H.264, H.265, MJPEG
MINIMUM SYSTEM REQUIREMENTS	
Processor	Last generation Intel i5 or higher
RAM	Min 8 GB
S.O.	Windows 7 or above
OCR SPECS	
Min. height of numbers/letters on the plate	20 pixels
Plate letters lines	One and two lines
Plate letters color	Light color on dark background Dark color on light background Both light and dark letters
Max tilt	+/- 20°
Max rotation	+/- 3°