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Mondot License Plate Recognition (LPR) system together with Milestone XProtect Data Sheet

Mondot LPR is license plate recognition software with client / server architecture that reads vehicle license plate information from IP camera's stream or picture file storage and stores information for further processing. Mondot LPR has a very high-level recognition accuracy, simple installation process and easy usability.

Mondot LPR is designed to run as part of *Milestone XProtect* video management system, but can be installed as standalone application as well.

Mondot LPR Key benefits and applications

- **Managed parking system** – Mondot LPR integrated with parking system can open parking barrier when permitted license plate is identified. That speeds up entry and exit process. Ideal for manufacturer, institution, airport and bus station parking systems.

- **Improved entry control** – information about license plates helps to find out whether the vehicle has entered in to territory with or without entry pass. Suitable for cities and tollways, where entry pay is collected.

- **Averted losses** – notifications or actions in case of blacklisted vehicle license plate is recognized. System operates seamlessly with minimal human intervention at the barrier gates. Easy selectable information about vehicles that entered without permission or pass. Ideal for manufacturers, gas stations etc.

- **Obtained significant evidence** - powerful tool for law enforcement agencies and manufacturers to control incoming and outgoing truckloads.

Mondot LPR Key features

- Quick and efficient license plate recognition
- Easy and fast record search
- Storage of recognized license plates, snapshots and video streams
- Integration with Milestone XProtect Smart Client
- Possibility to use "white" and "black" lists
- Actions based on rules - Call URL, Call Script/Program, Save to Database, Open barrier, Control relays
- Easy to use and configure

Technical information

Database connection	MySQL 5.7 and MS SQL Server 2012 Standard or Enterprise edition
Camera support	Any IP camera with RTSP stream (Fixed, dome, bullet, PTZ)
Supported sensors	Light and thermal sensors
Plate number deviation	About +/-10° from horizontal line
Plate recognition	Multiple in one frame, Recognition on motion, Limit frame rate
Plate settings	Definable plate height, Country code, No duplicate settings
Data for each recognized plate	Date/Time, plate number, country code, plate image, moving direction of the car, camera name, zone name, server name, full image
Detection zone	Yes, multiple user defined
Output image settings	JPEG quality, Burn text on image (Date and time, Plate number, Country), Burn Text location
Database search	Filter by: Plate number, Country code, Camera name, Time period
Access to data	Possible to define different user rights
Lists	Actions list for recognized plate number
Rules	Sort by: Camera, Condition (In list, not in list), Zone, Direction. Notifications when camera loses connection/video.
Actions based on rules	Call URL, Call Script/Program, Save to Database, Open barrier, control NO/NC relays
Export	Export detected plate data and image
API	GET method over HTTP, POST method over HTTP (server_name, camera_name, dt, text, country, confidence, direction, zone, x, y, width, height, image, plate_image)
Plate number syntax check	Yes, for more than 40 countries, more than one in the same time
Supported countries	AL, AT, AZ, BA, BE, BG, BR, BY, CH, CZ, DE, DK, EE, ES, FI, FR, GB, GE, GR, HR, HU, IE, IL, IS, IT, LT, LU, LV, MD, ME, MK, MT, NL, NO, PL, PT, RO, RS, RU, SE, SI, SK, TR, TW, UA, XK

Hardware requirements

Cameras	1	2	3	4	5	6	7	8
Resolution	FullHD 1920x1080							
CPU	i3 3GHz	i3 3-4GHz	i5 3GHz	I5 3-4GHz	i7 3GHz	i7 3-4GHz	XEON E5	XEON E7
RAM	2 GB	2 GB	4 GB	4 GB	8 GB	8 GB	16 GB	16 GB

Software requirements

- Operating system: Microsoft Windows 7/8/8.1/10 (64-bit), Windows Server 2008 (64-bit), Windows Server 2012/2012 R2 (64-bit), Windows Server 2016 (64-bit).

- Microsoft .NET 4.5.1 Framework

- MySQL 5.7 and MS SQL Server 2012 Standard or Enterprise edition

- Support DirectX 9.0 or newer