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raising technologies™

# Overseer AutoCode



NUMBER PLATE RECOGNITION MODULE FOR VIDEO  
SURVEILLANCE SYSTEMS  
XPROTECT  
(MILESTONE)

# About Overseer AutoCode



Overseer AutoCode is designed for searching, revealing and recognizing the state transport vehicle numbers.

Overseer AutoCode was developed as a number plate recognition module for XProtect Basis+, Professional, Enterprise, and Corporate editions by Milestone Systems.

Overseer AutoCode creates the chronological archive of the recognized car numbers that can be additionally viewed and processed by an operator and sends it to XProtect.

# Tasks Solved by the Module



Automatic control of  
the traffic flow

Centralized  
registration and  
processing of events

Overseer  
AutoCode

Notices and preset  
reactions on the  
events

Work with photo and  
video archives

# Features



- Several number plates can be recognized in the camera's view in case if the snapshot number recognition is possible



- Choosing a frame with highest recognition coefficient to be saved to the database (if the number was recognized several times)



- Using different number patterns (e.g. international number patterns) and ability to add new number patterns



- Effective number plate recognition for side camera installation

Camera vertical skew can be up to 40°, horizontal installation mismatch - up to 30°.



- Moving direction recognition



- Setting the minimum and maximum expected number dimensions



- Defining the relative speed of the vehicle (calculated depending on the camera's technical features)



- Connecting a movement detector



# Fields of Application



Parkings

Auto  
Transportation  
Companies



Customs  
Terminals

Passageways



Business-centers

Airports



# Technical Characteristics



Recognition coefficient  $\geq 96\%^*$

Frame processing time  $\leq 16$  ms

Plate number recognition time  
 $\leq 2$  ms

Number of plates recognized at  
the same time in one frame: up  
to 10 pcs.

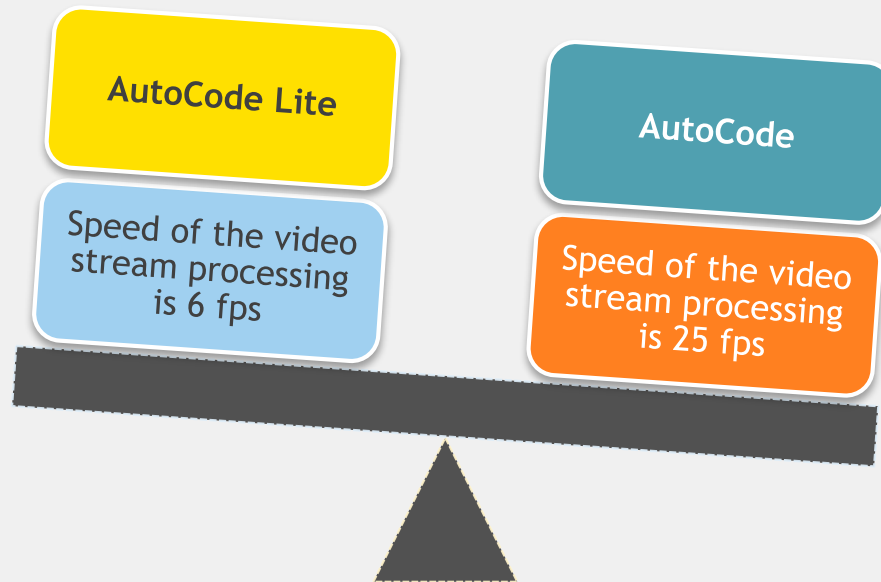
Number of recognition channels  
processed on one computer: up  
to 32 channels.

The result was obtained in an open independent testing at the "Interpolitex" exhibition in 2007 in single-channel mode for the recognition of license plates of Russia (PRO System CCTV №05[29] 2007 September - October)

# Supported Countries

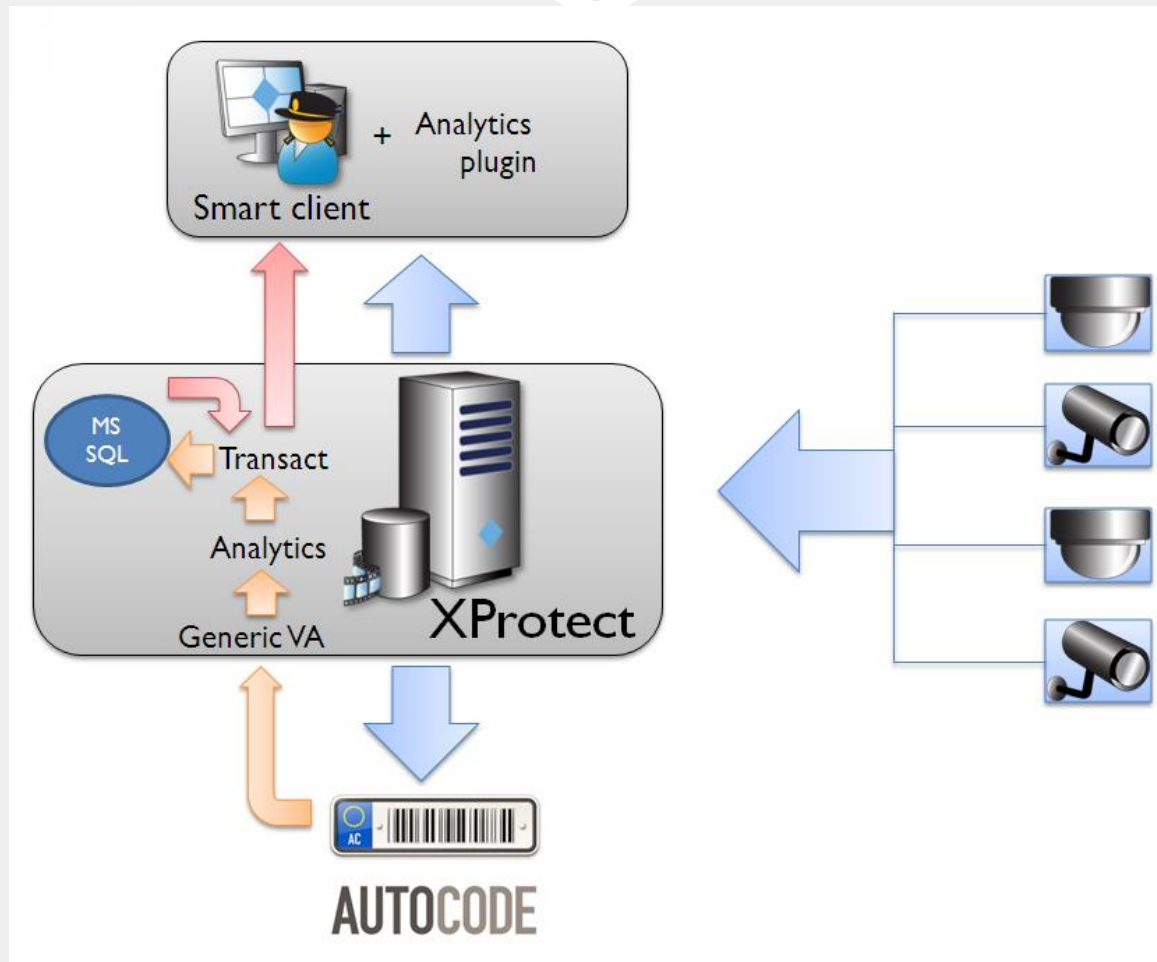


# Supplied Versions

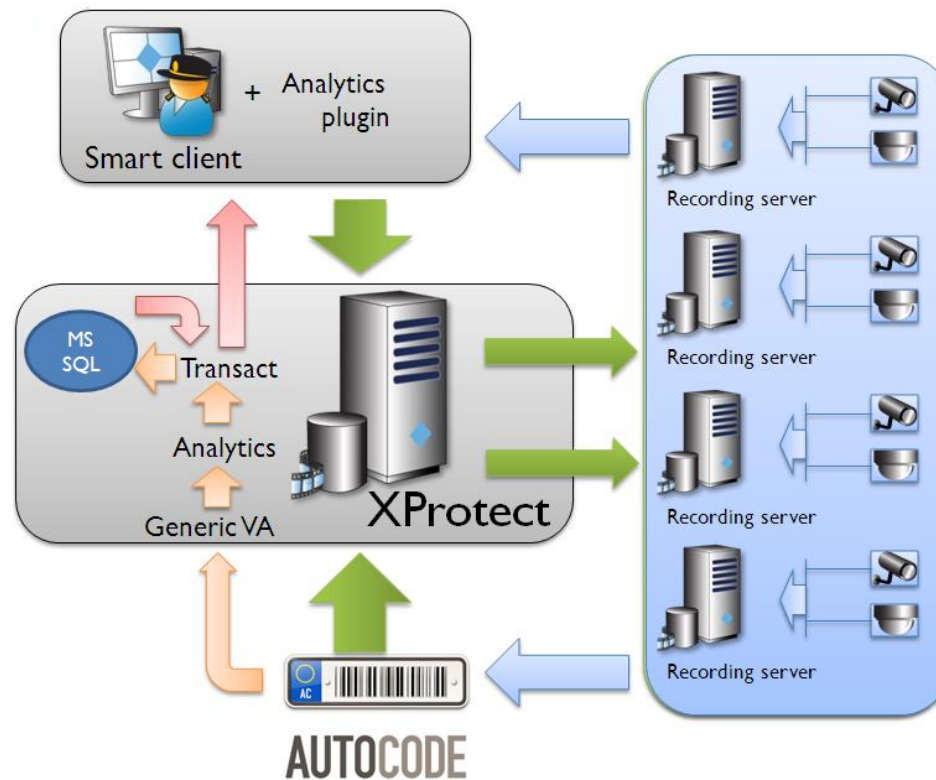




# How Does It Work with XProtect Enterprise and Professional Editions



# How Does It Work with XProtect Corporate



# “Live” mode

Object surveillance

All events list

The best screenshot for every event

Quick switching to the “Archive” mode and back

Milestone XProtect Smart Client

22 липня 2010 р. - 22:55:08

Live Playback Setup

New View (Alert View Layout)

Views

- Private
- Shared
  - New Group
    - New View (1 x 3)
    - New View (1+3 Wide)
    - New View (1x1)
    - New View (Alert View Layout)**
    - New View (Transact + 2)

PTZ Control

Presets:

< No presets >

Fisheye PTZ positions:

Load Save

☒ Digital zoom

Camera 2

Recording

Time Synch (ms): 16

Time	Alert	Device	Location	Rule	Rule Type	Object	Vendor
2010-07-22 22:56:20	Plate lost	Camera 2	(null)	Plate	Info	Y669BT...	Video Int.
2010-07-22 22:56:18	Plate lost	Camera 2	(null)	Plate	Info	Y666HK...	Video Int.
2010-07-22 22:56:15	Plate lost	Camera 2	(null)	Plate	Info	H314TA...	Video Int.
2010-07-22 22:56:14	Plate lost	Camera 2	(null)	Plate	Info	B835AT...	Video Int.
2010-07-22 22:56:13	Plate lost	Camera 2	(null)	Plate	Info	A30500...	Video Int.
2010-07-22 22:56:13	Plate lost	Camera 2	(null)	Plate	Info	A30500...	Video Int.
2010-07-22 22:56:12	Plate lost	Camera 2	(null)	Plate	Info	C561EY...	Video Int.
2010-07-22 22:56:11	Plate lost	Camera 2	(null)	Plate	Info	P644CC...	Video Int.
2010-07-22 22:56:05	Plate lost	Camera 2	(null)	Plate	Info	B811MP...	Video Int.
2010-07-22 22:56:03	Plate lost	Camera 2	(null)	Plate	Info	AC2233...	Video Int.
2010-07-22 22:56:02	Plate lost	Camera 2	(null)	Plate	Info	Y159BT...	Video Int.
2010-07-22 22:56:01	Plate lost	Camera 2	(null)	Plate	Info	K487PE...	Video Int.
2010-07-22 22:55:58	Plate lost	Camera 2	(null)	Plate	Info	T719CK...	Video Int.
2010-07-22 22:55:56	Plate lost	Camera 2	(null)	Plate	Info	K671OC...	Video Int.
2010-07-22 22:55:53	Plate lost	Camera 2	(null)	Plate	Info	BH80850	Video Int.
2010-07-22 22:55:48	Plate lost	Camera 2	(null)	Plate	Info	H1198B...	Video Int.
2010-07-22 22:55:47	Plate lost	Camera 2	(null)	Plate	Info	A610YM...	Video Int.
2010-07-22 22:55:42	Plate lost	Camera 2	(null)	Plate	Info	X299HB...	Video Int.

# “Archive” mode (Playback mode)

Different speed of  
archive playback

On event selection,  
quick rewind to the  
according entry

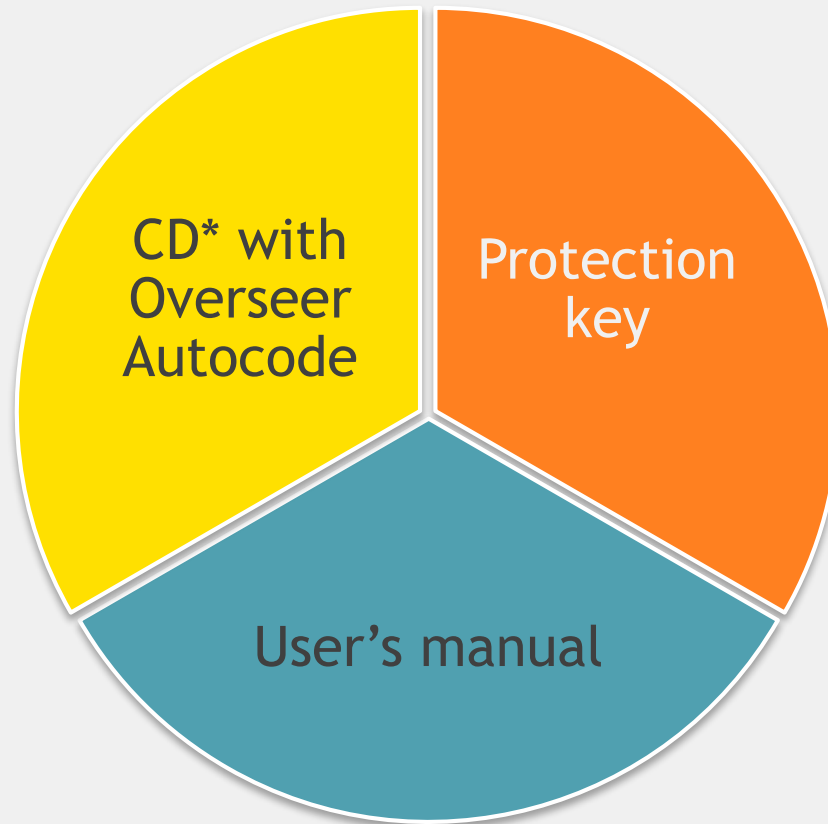
Timeline of recording  
into archive

The screenshot displays the Milestone XProtect Smart Client interface in Playback mode. The top bar shows the date and time: July 22, 2010 - 22:55:13. The main view is split into two panels showing camera footage. The left panel is labeled 'Camera 2 - 22.07.2010 22:56:20' and the right panel is labeled 'Time Synchron (ms): 16'. Below the camera views, there is a 'Sequence Explorer' section with buttons for 'Launch View...' and 'Launch Camera...'. The 'Time Navigation' section shows the date 'June, 22, 2012' and the time '22:56:20.691'. It includes playback controls like 'Back', 'Time', 'Forward', 'Slow', and 'Fast', along with a 'Skip gaps during playback' checkbox and a 'Go To' button. The bottom section is a table listing events:

Time	Alert	Device	Locatio	Rule	Rule Ty	Objec	Vendo
2010-07-22 22:56:20	Plate lost	Cam...	(null)	Plate	Info	Y669...	Video...
2010-07-22 22:56:18	Plate lost	Cam...	(null)	Plate	Info	Y666...	Video...
2010-07-22 22:56:15	Plate lost	Cam...	(null)	Plate	Info	H314...	Video...
2010-07-22 22:56:14	Plate lost	Cam...	(null)	Plate	Info	B835...	Video...
2010-07-22 22:56:13	Plate lost	Cam...	(null)	Plate	Info	A305...	Video...
2010-07-22 22:56:13	Plate lost	Cam...	(null)	Plate	Info	A305...	Video...
2010-07-22 22:56:12	Plate lost	Cam...	(null)	Plate	Info	C561...	Video...
2010-07-22 22:56:11	Plate lost	Cam...	(null)	Plate	Info	P644...	Video...
2010-07-22 22:56:05	Plate lost	Cam...	(null)	Plate	Info	B811...	Video...
2010-07-22 22:56:03	Plate lost	Cam...	(null)	Plate	Info	AC2...	Video...
2010-07-22 22:56:02	Plate lost	Cam...	(null)	Plate	Info	Y158...	Video...
2010-07-22 22:56:01	Plate lost	Cam...	(null)	Plate	Info	K487...	Video...
2010-07-22 22:55:58	Plate lost	Cam...	(null)	Plate	Info	T719...	Video...
2010-07-22 22:55:56	Plate lost	Cam...	(null)	Plate	Info	K671...	Video...
2010-07-22 22:55:53	Plate lost	Cam...	(null)	Plate	Info	BH8...	Video...

On the right side, there is a vertical timeline showing a red bar indicating the duration of the recording. The timeline is labeled with dates and times: 22.07.2010 22:26:20.691, 22:30, 22:40, 22:50, 23:00, 23:10, 23:20, 23:30, 23:40, 23:50, 22.07.2010 23:26:20.691. At the bottom right, there is a 'Span' section with a dropdown menu set to '1 hour' and a checkbox for 'Newest images at top'.

# Package



# Contact us



**FOR MORE INFORMATION, PLEASE CONTACT:**

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