## **Overview**

Selea's CPS (Car Plate Server) LPR software can be integrated with exacq via the IP serial interface, (Serial Port and Serial Profile of exacqVision). The Selea CPS exacqVision integration works by receiving unencrypted, textual data from CPS. Keywords and Rules can be created to be used as triggers in Event Linking (exacq server functions) and Event Monitoring (exacq client functions) in exacqVision. Some of the actions that are available to trigger on the exacq system are:



Event Linking (exacq server functions)
None
Record Video
Record Audio
Output Trigger
Notify (email)
Auto Export
PTZ Preset

#### Event Monitoring (exacq client functions) Log Play Sound Switch Video Digital Preset

## Purpose

The purpose of this document is to provide guidance for integrating Selea's CPS LPR system with exacqVision via the IP serial data interface. The data that CPS transmits to exacqVision must be clear text, i.e. unencrypted ASCII data.

**NOTE**: This guide is not intended to provide instruction for the installation and configuration Selea's CPS system outside the scope of configuring it to work with exacqVision.

#### Requirements

exacqVision Server version: 7.6 exacqVision Client version: 7.6 exacqVision license: Start, Professional or Enterprise

## Assumptions

exacqVision Client has been connected to the exacqVision server that will be integrated with Selea CPS





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# **Selea Configuration**

Notification forwarding	Backup server	
Enable server for forward notifications/alerts	IP/Host:port	English
Local server port 5666 🚊	Username	inter inter
2	Password	Services
	Base Dir J	192.168.96.253:8081
Enable active notifications/alerts connections		
Remote server liocalhost 3		
names serve par frides -	Connection test	
4	Synchronize records	
		Ricarica
al construction of the second s		and the second sec
Change the name of a gate	Database setting	O Stop
Change the name of a gate	Database setting	O Stop
Change the name of a gate           Actual name         Image the name           New name         Image the name	Database setting  C Local DB  MySQL C MySQL Configure	O Stop
Change the name of a gate	Database setting  C Local DB  MySQL Configure	<u>stop</u>
Change the name of a gate          Actual name       Implementation         New name       Implementation         Access protection to CPS Config	Database setting  C Local DB  MySQL  Maximum cache memory	<u> </u>
Change the name of a gate          Actual name       Image the name         Accual name       Image the name         New name       Image the name         Access protection to CPS Config       Image the name         Image the name       Image the name         Access protection to CPS Config       Image the name         Image the name       Image the nam	Database setting  C Local DB  MySQL Configure  Maximum cache memory  Auto	5 Apply

Open the CPSConfig utility and perform the following steps:

- 1. Click Advanced tab
- 2. Check to enable notifications/alerts from CPS
- 3. Enter IP address of exacqVision server (In this example exacqVision server was running the same machine as CPS)
- 4. Enter an unused port value, (a port value that's free on this system, not being used by another application)
- 5. Click Apply Changes



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## exacqVision Configuration

#### **Serial Port Configuration**



Launch exacqVision Client

- 1. Click Config(Setup) Page
- 2. Select Serial Ports
- 3. Click New
- 4. Enter Name for Serial Port
- 5. Select POS for Use. (This has no effect on functionality, it just changes the icon in Live View for serial port)
- 6. Select "New" for Profile, if you haven't yet created a Serial Profile for this integration
- 7. Select "TCP Listener"
- 8. Enter IP address of CPS system (CPS and exacq were installed on the same system for this example)
- 9. Enter port that you used in Step 4 of Selea Configuration
- 10. Leave the next three fields in their default states:
  - a. Max Line Length 80 (default)
    - b. Line Ending <blank> (default)
    - c. Timeout 0 (default)
- 11. Click Apply
- 12. Status may remain "Not Available" Do not be alarmed this will change to "Connected" as soon as the CPS system sends the first set of data.



#### Serial Profile Configuration

<b>₽</b> @ <b>®</b>							exacqVision
Configuration Q. Filter Systems Systems Client Q. Indicators For Monitoring	Profile Selection	Serial Preview	Serial F Data Retention Days to Retain Data: 60 (*)	Profiles	Cancel 3		
Groups     Maps     Views     Tours     Layouts	Selen	Port Name Port Status	Selea LPR Not Available w Data	•	Name: Selea SOT marker: < recon Marker Type: XML	5	
Configure System     Add IP Cameras     Add Security Integration     System Audio     System Audio     Securit Ports     Securit Ports     Securit Ports     Securit Ports					EOT marker Case Sensitive: Font Font S Event Keywords Line I Select All	ample Aasks   String Replaceme	nts Rules
Notifications     Auto Expont     Port Event Linking     Schedule     Archiving     Users					String		Enable
	2 New Delete		[ Fluth ]	* F	Case Sensitive		Delete

- 1. Select Serial Profile
- 2. Click New
- 3. Enter Name
- 4. Select "XML" for Marker Type
- 5. Enter "<record>" in SOT field
- 6. Click Apply **NOTE**: The ">" will be removed from your entry of "<record>" in the SOT field. This is OK.

#### **Expected Data from CPS system**

active 🖉	_gatewa	y_car	plate	_template.xml - Notepad
File Edit	Format	View	Help	
<carpl <carpl <timest <camer <camer <typest <th>ate_OCF ate_lis tamp&gt;\$E aName&gt;\$ aMAC&gt;\$M \$CARPLA</th><th>R&gt;\$CA St&gt;\$T DATET \$CAME \$CAME 4ACAD ATE_T</th><th>RPL/ YPE IME RAN/ DRE YPE</th><th>ATE\$ ; ; ME\$ SS\$ ;</th></typest </camer </camer </timest </carpl </carpl 	ate_OCF ate_lis tamp>\$E aName>\$ aMAC>\$M \$CARPLA	R>\$CA St>\$T DATET \$CAME \$CAME 4ACAD ATE_T	RPL/ YPE IME RAN/ DRE YPE	ATE\$ ; ; ME\$ SS\$ ;



# exacqVision Selea Integration Guide

#### Live View



- 1. Click on Live View
- 2. Select Cameras
- 3. Click and drag the "Selea LPR" Serial Port into the video window pane. **NOTE:** This is a video overlay. If video was playing in this window pane, the data would appear over the video.



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