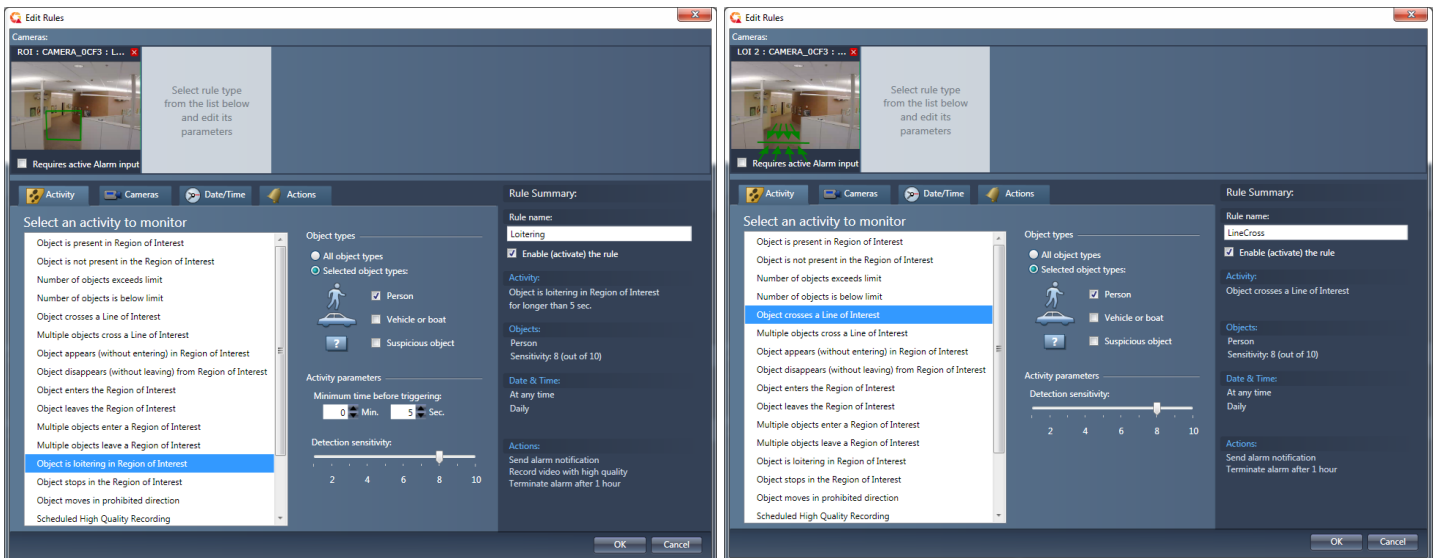


1 Requirements

The VideoIQ camera with analytics can be used with any exacqVision server running exacqVision version 4.0 or later.

2 Configuring Camera Analytics

1. On the camera's Settings page, deselect DHCP and enter a fixed IP, subnet, and router.
2. Set Authentication to Basic.
3. Configure the analytic alarms in the VideoIQ View software. Below are two examples for Loitering and Line Cross events.

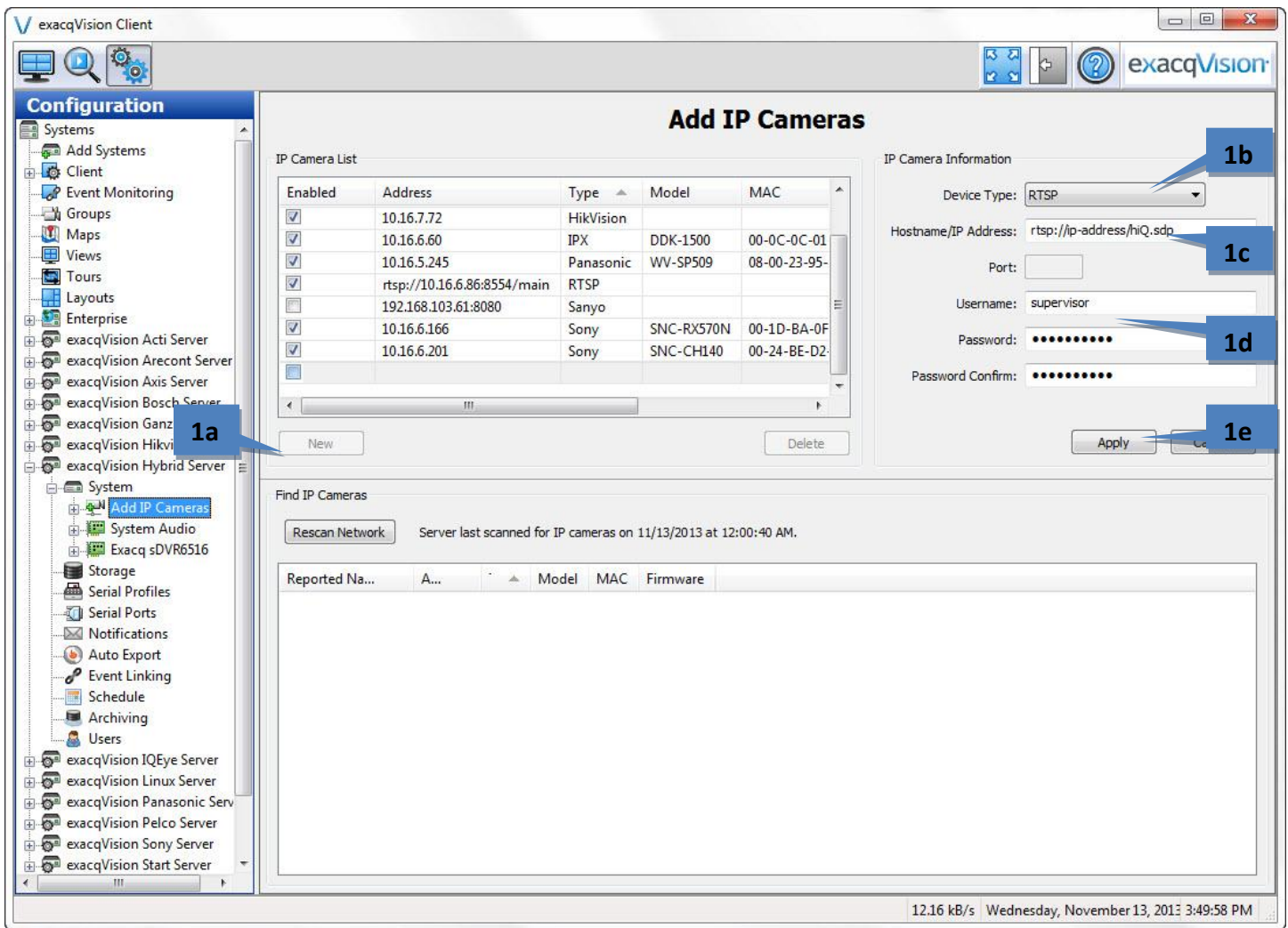


Note: Be sure to remember your rule names. These will be used to filter data coming into the exacqVision server and configure video recording events.

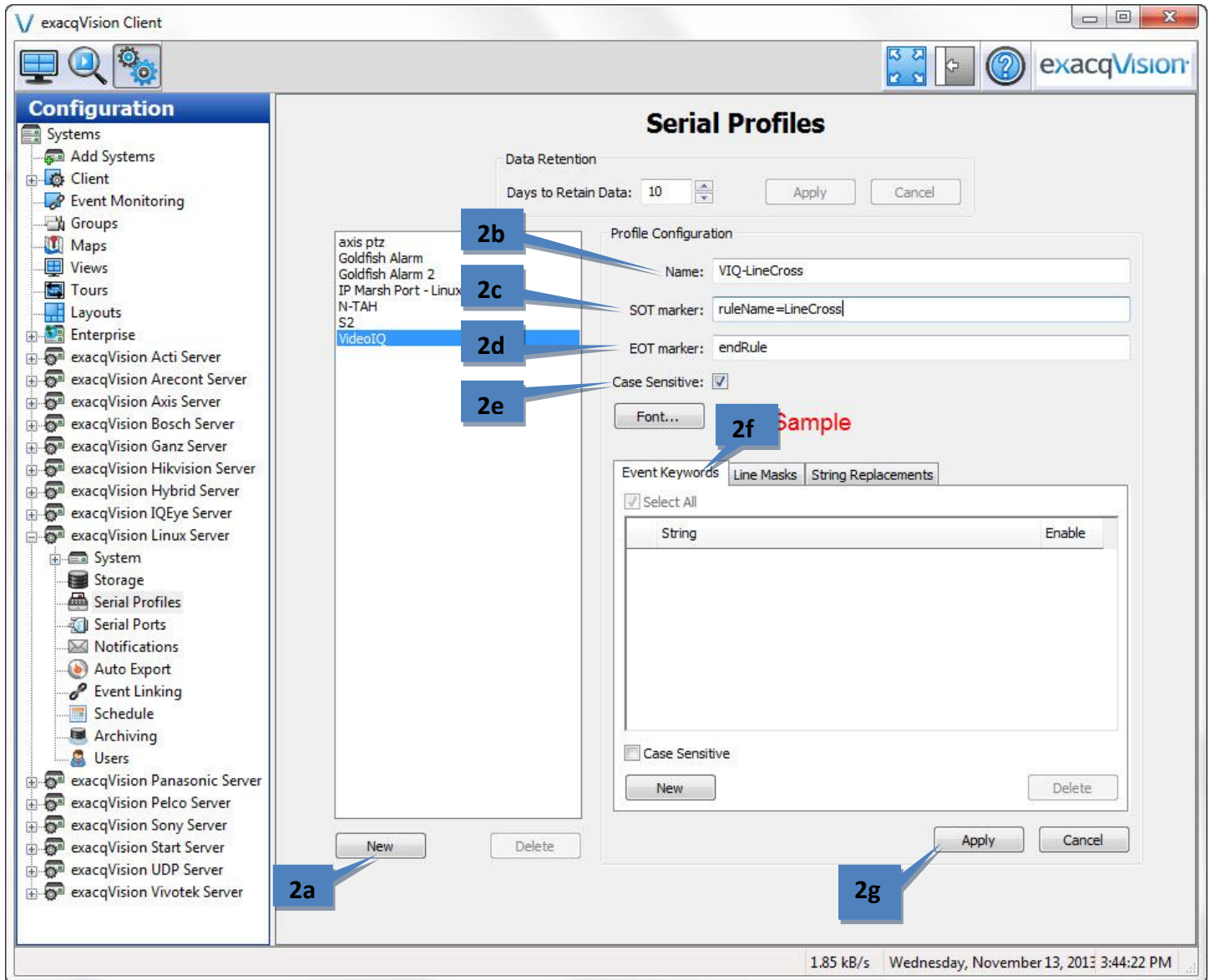
3 Configuring exacqVision

1. Open the IP Cameras page in the exacqVision Client software and complete the following steps:
 - a. Click **New**.
 - b. Select **RTSP** as device type.
 - c. Enter **rtsp://ip-address/hiQ.sdp** as the hostname, replacing "ip-address" with the camera's actual IP Address.
 - d. Enter the camera's username and password (the defaults are **supervisor/supervisor**).
 - e. Click **Apply**.

NOTE: VideoIQ cameras stream video to exacqVision servers using the RTSP protocol. Because RTSP does not include a discovery protocol, it is not possible for the exacqVision software to automatically locate the camera on the network.



2. Open the Serial Profile Setup page in the exacqVision Client software and complete the following steps:
 - a. Click **New**.
 - b. Enter a descriptive Profile Name, such as "VIQ." This profile can be used with multiple cameras.
 - c. Enter **ruleName=LineCross** as the SOT Marker.
 - d. Enter **endRule** as the EOT Marker.
 - e. Select the **Case Sensitive** option.
 - f. Enter **ruleName="event-name"** as the Key Word. (This causes exacqVision to recognize specific events.)
 - g. Click **Apply**.



Note: There should be separate profiles for each type of actions so that each event can be captured individually. To capture all events, a single profile can be used with the SOT Marker **ruleName=**. However, you might then want to add a Key Word such as **ruleName=LineCross** or **ruleName=Loitering** so that you recording video only for the desired events. Configuring recording events is described later in the document.

3. Open the Serial Port Setup page in the exacqVision Client software and complete the following steps:

a. Click **New**.

NOTE: In the following steps, substitute your camera's IP address for "ip-address." Also, all steps should be performed in the IP section (not the Uart section).

b. In the Use column, select **Access Ctrl**.

c. In the Name column, enter a descriptive name, such as "VIQ."

d. In the Profile column, select the profile that you created earlier from the drop-down list. (If you created more than one profile for different events you will need to create a port setup using each profile).

e. In the Type column, select **http**.

f. In the Address column, enter **http://supervisor:supervisor@ip-address/notifications**. (If you changed the password to something other than "supervisor," change it as needed in the address.)

g. In the Port column, enter **80**.

h. Click **Apply**.

i. Repeat for each additional VideoIQ camera.

The screenshot shows the 'Serial Ports' configuration window in the exacqVision Client. The window is split into two main sections: 'Uart' and 'IP'. The 'Uart' section contains a table with the following data:

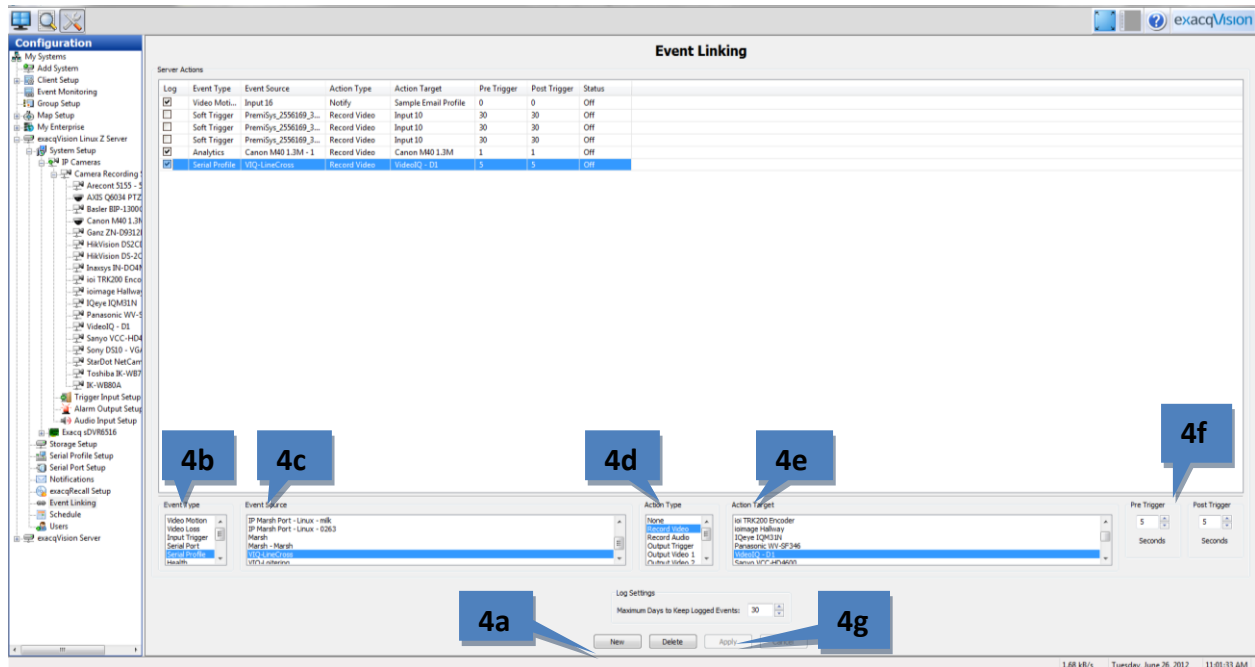
Use	Name	Status	Port	Profile / Protocol	Baud Rate	Data Bits	Stop Bits	Parity	Flow Control	Max Line Length	Line Ending	Timeout
Unused	ttyS4	Unused	ttyS4	None	9600	8	1	None	None	80		60
Unused	ttyS3	Unused	ttyS3	None	9600	8	1	None	None	80		60
Unused	ttyS2	Unused	ttyS2	None	9600	8	1	None	None	80		60
Unused	ttyS1	Unused	ttyS1	None	9600	8	1	None	None	80		60
Unused	ttyS0	Unused	ttyS0	None	9600	8	1	None	None	80		60

The 'IP' section contains a table with the following data:

Select	Use	Name	Status	Profile	Type	Address	Port	Max Line Length	Line Ending	Timeout
<input type="checkbox"/>	Access Ctrl	VideoIQ	Connected.	VideoIQ	HTTP	http://supervisor:supervi	80	80		60
<input type="checkbox"/>	POS	Marsh	Connecting.	IP Marsh Port - Linux	TCP	192.168.103.66	12345	80		60
<input type="checkbox"/>	Access Ctrl	23	Connecting.	axis ptz	TCP	192.168.101.23	18555	80		60
<input type="checkbox"/>	POS	N-TAH	Connecting.	N-TAH	TCP	192.168.96.2	8801	80		60

Blue callout boxes labeled 3a through 3h point to specific elements in the interface: 3a points to the 'New' button; 3b points to the 'Access Ctrl' dropdown in the IP table; 3c points to the 'VideoIQ' name in the IP table; 3d points to the 'VideoIQ' profile dropdown; 3e points to the 'http' type dropdown; 3f points to the 'http://supervisor:supervisor@ip-address/notifications' address; 3g points to the '80' port dropdown; and 3h points to the 'Apply' button. The status bar at the bottom shows '9.45 kB/s' and 'Wednesday, November 13, 2013 3:51:47 PM'.

4. Open the Event Linking page in the exacqVision Client software and complete the following steps:
 - a. Click **New**.
 - b. Select **Serial Profile** as the Event Type.
 - c. Select the profile that you created as the Event Source.
 - d. Select **Record Video** as the Action Type.
 - e. Select the VideoIQ camera as the Action Target.
 - f. If desired, select a **Pre Trigger** and **Post Trigger** to record additional video before and after the event.
 - g. Click **Apply**.



The exacqVision system will now record video based on the VideoIQ camera-detected events. The following picture shows events as they occur on the image from the camera:

