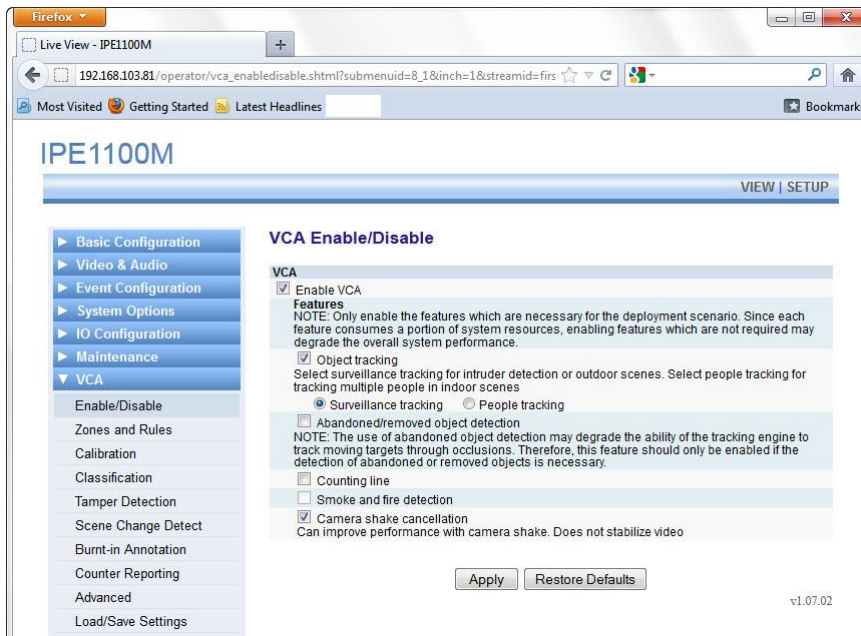


# 1 Requirements

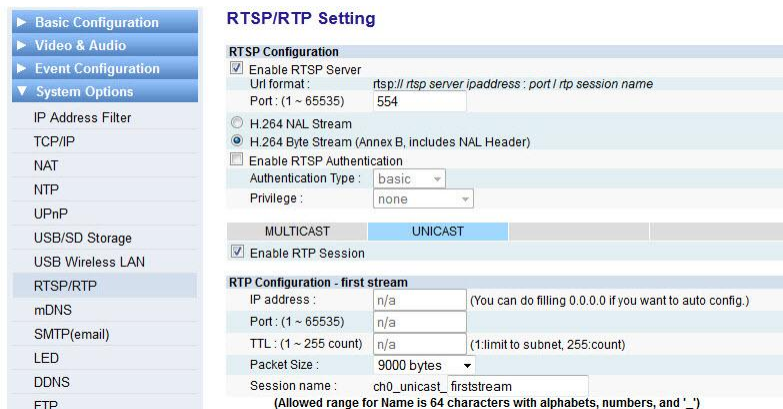
The UDP camera with analytics can be used with any exacqVision server running exacqVision version 4.11 or later.

# 2 Configuring Camera Analytics

1. On the camera's Setup page, select VCA.
2. Select Enable VCA. (If you cannot select options on this page, open Activation and ensure that the camera is licensed.)
3. Configure the analytic alarms.



4. Note the TCP Listen Port under Event Configuration and TCP. That information will be needed when configuring the camera in exacqVision.



# 3 Configuring exacqVision

1. Open the IP Cameras page in the exacqVision Client software and complete the following steps:
  - a. Click **New**.
  - b. Select **UDP** as device type.
  - c. Enter the camera's username and password (the defaults are **root/pass**).
  - d. Enter the IP address or hostname.
  - e. Click **Apply**.

**IP Camera Information**

Device Type: UDP

Username: root

Password: \*\*\*\*

Password Confirm: \*\*\*\*

Hostname/IP Address: 192.168.103.81/cho\_unicast...

Port: 2555

New Delete

Apply Cancel

**IP Camera List**

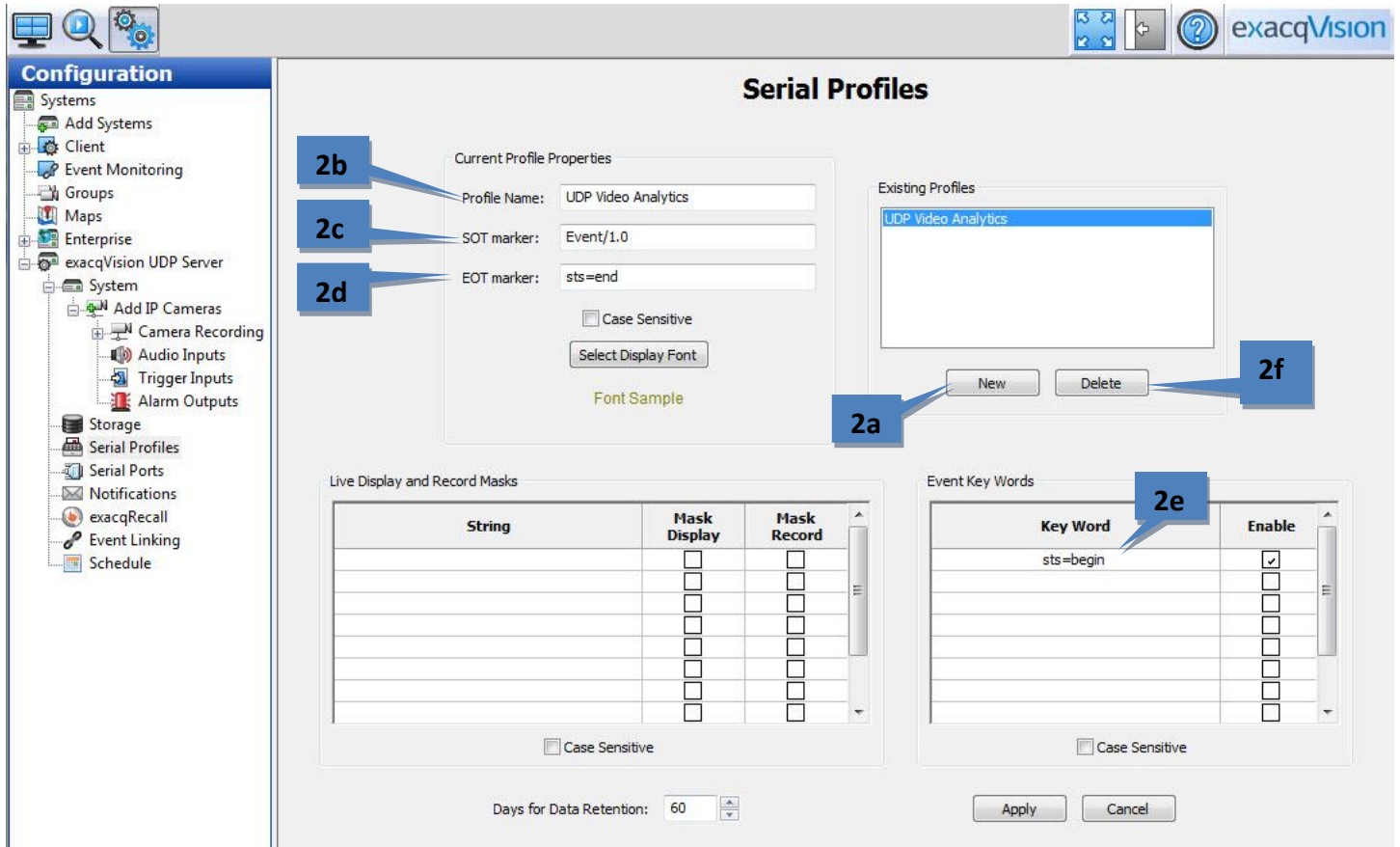
Enabled	Address	Type	Model	MAC	Firmware	Status
<input checked="" type="checkbox"/>	192.168.103.87	RIVA	RC1100M			Connected.
<input checked="" type="checkbox"/>	192.168.102.96	UDP	NVC4000	00-13-23-04-BF-FE	1.8.0	Connected.
<input checked="" type="checkbox"/>	192.168.102.94	UDP	NVC4000	00-13-23-04-C0-03	1.8.0	Connected.
<input checked="" type="checkbox"/>	192.168.102.93	UDP	NVC4000	00-13-23-04-C0-02	1.8.0	Connected.
<input checked="" type="checkbox"/>	192.168.103.81	UDP	IPE1100M	00-13-23-04-84-8A	1.8.0	Connected.
<input checked="" type="checkbox"/>	192.168.103.82	UDP	IPE1100	00-13-23-04-A1-4F	1.8.0	Connected.
<input type="checkbox"/>	192.168.102.95	UDP				Not connected.
<input type="checkbox"/>	192.168.103.79	UDP				Not connected.
<input type="checkbox"/>	192.168.101.168	UDP				Not connected.

**Find IP Cameras**

Rescan Network Server last scanned for IP cameras on 7/3/2012 at 12:56:18 PM.

Reported Na...	Address	Type	Model	MAC	Firmware
NVC4000	192.168.102.93	UDP	NVC4000	00-13-23-04-C0-02	V1.8.0
IPE1100M	192.168.103.81	UDP	IPE1100M	00-13-23-04-84-8A	V1.8.0
IPE1100	192.168.103.82	UDP	IPE1100	00-13-23-04-A1-4F	V1.8.0
IPE3500	192.168.103.79	UDP	IPE3500	00-13-23-04-A2-DE	V1.8.0
NVC4000	192.168.102.96	UDP	NVC4000	00-13-23-04-BF-FE	V1.8.0
NVC4000	192.168.102.94	UDP	NVC4000	00-13-23-04-C0-03	V1.8.0

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 “UDP Video Analytics.” This profile can be used with multiple cameras.
  - c. Enter **EVENT/1.0** as the SOT Marker.
  - d. Enter **sts=end** as the EOT Marker.
  - e. Enter **sts=begin** as the Key Word and enable it.
  - f. Click **Apply**.



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.

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 **TCP**.

f. In the Address column, enter the address of the camera.

g. In the Port column, enter the TCP Listen port determined on the camera's web page.

h. Click **Apply**.

i. Repeat for each additional camera.

**Serial Ports**

Uart

Use	Name	Port	Profile / Protocol	Baud Rate	Data Bits	Stop Bits	Parity	Flow Control	Max Line Length
Unused	COM1	COM1	None	9600	8	1	None	None	80
Unused	COM2	COM2	None	9600	8	1	None	None	80
Unused	COM3	COM3	None	9600	8	1	None	None	80
Unused	COM4	COM4	None	9600	8	1	None	None	80

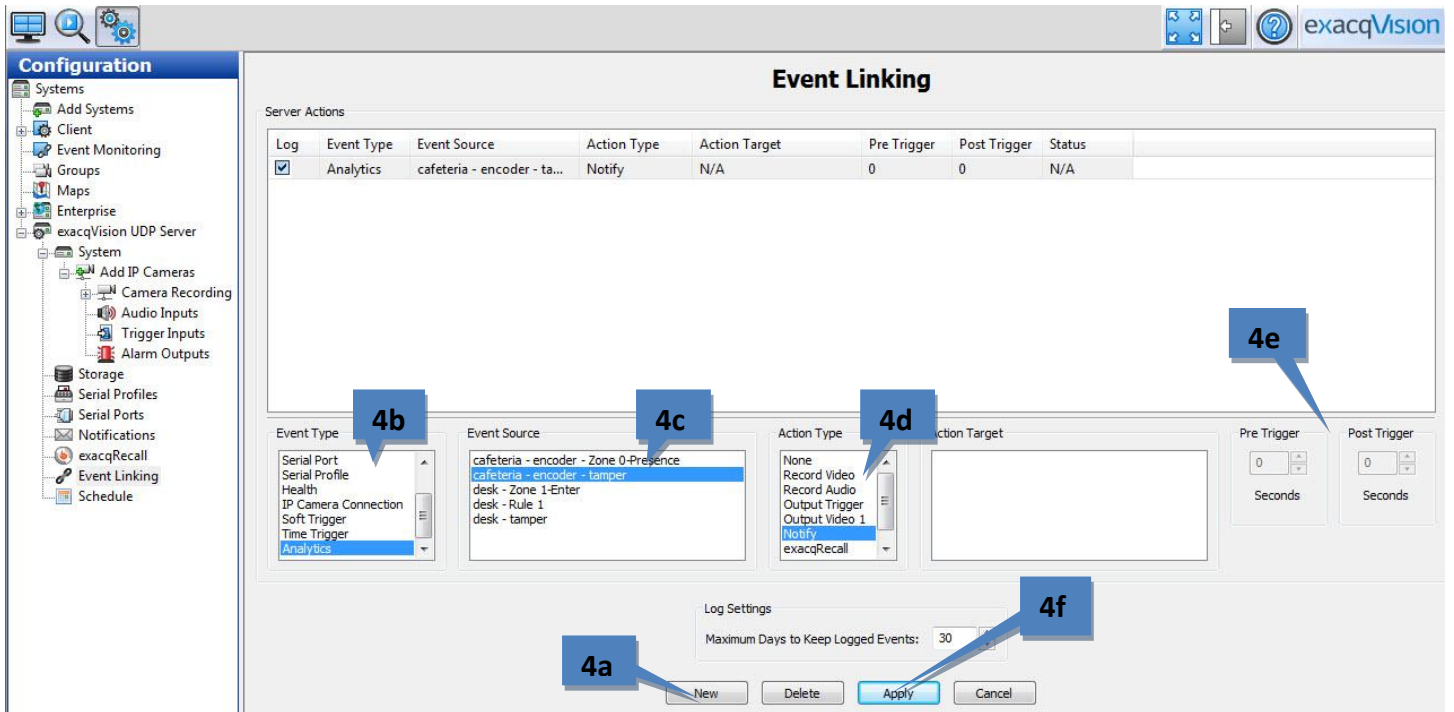
IP

Select	Use	Name	Status	Profile	Type	Address	Port	Max Line Length
<input type="checkbox"/>	Access Ctrl	UDP Video Anal	Connected.	UDP Video Ar	TCP	192.168.103.81	2555	120

3a New Delete

3h Apply Cancel

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 an Action Type such as **Notify**, which causes an email notification to be sent when the Event Type occurs.
  - e. If desired, select a **Pre Trigger** and **Post Trigger** to record additional video before and after the event.
  - f. Click **Apply**.



The exacqVision system will now take the designated action based on the UDP camera-detected events. The following picture shows events as they occur on the image from the camera:

