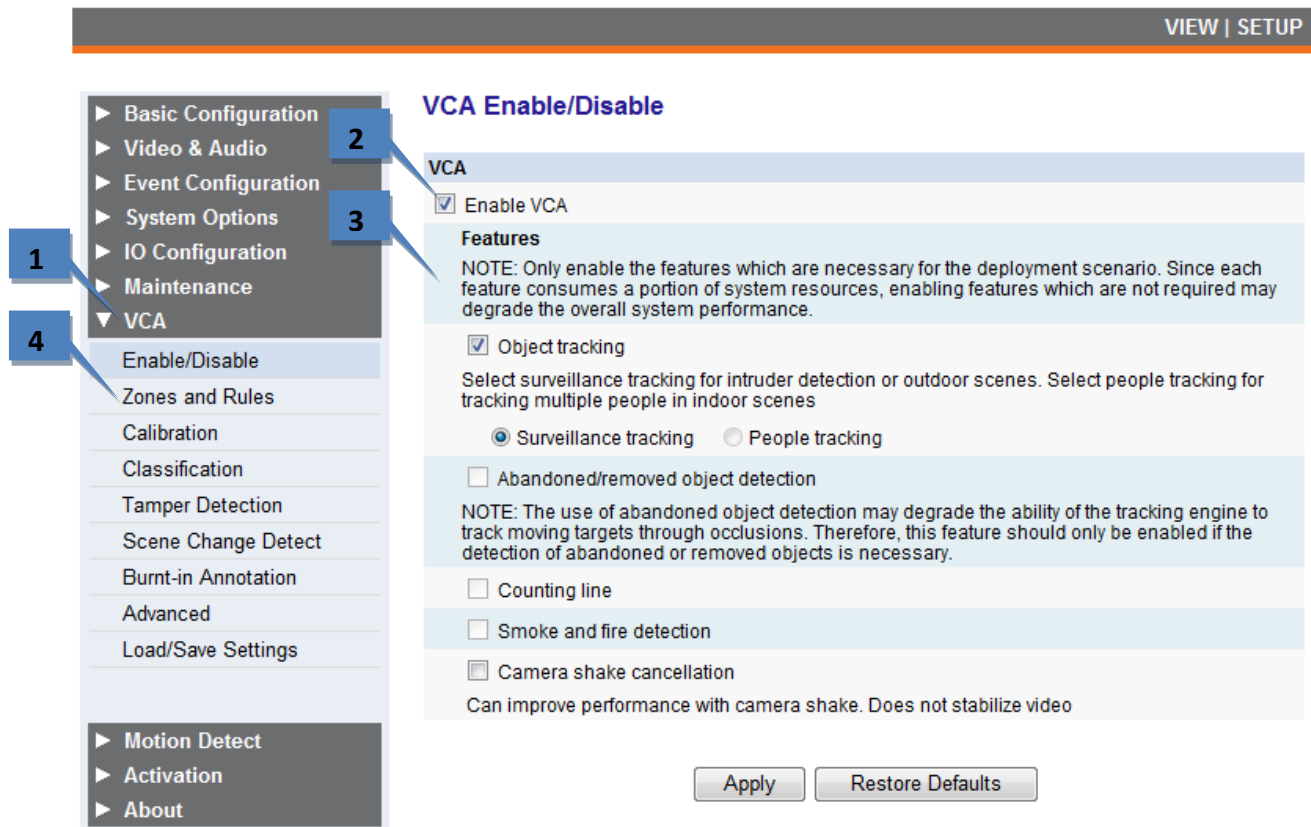


1 Requirements

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 from the menu on the left.
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. Configure your VCA zones and rules in the Zones and Rules section.



- Select Event Configuration and then TCP from the menu.
- Note the TCP Listen Port under Event Configuration and TCP. That information will be needed when configuring the camera in exacqVision.

VIEW | SETUP

- ▶ Basic Configuration
- ▶ Video & Audio
- ▼ Event Configuration **6**
- Event Profile
- Email
- 5** FTP
- HTTP
- TCP
- Multicast
- System Options
- IO Configuration
- Maintenance
- VCA
- Motion Detect
- Activation
- About

TCP Setting

Configuration

Name :

Listen Port : (1 ~ 65535)

v1.07.04

- Select Event Profile from the menu.
- Deselect Enable Old Configuration in the Configuration section.

VIEW | SETUP

- ▶ Basic Configuration
- ▶ Video & Audio
- ▼ Event Configuration **7**
- Event Profile
- Email
- FTP
- HTTP
- TCP
- Multicast
- System Options
- IO Configuration
- Maintenance
- VCA
- Motion Detect
- Activation
- About

Event Profile

Use	Name	Description
no	profile0	profile0 ddescription
no	profile1	profile1 ddescription
yes	VCA Profile	

Configuration

Enable Old Configuration **8**

v1.0.1

9. Add a new profile and give it a name that indicates its relation to VCA events. Configure the profile on the First Event tab as shown in the following figure.

Event Profile

First Event	Second Event	Action		
Configuration				
<input checked="" type="checkbox"/> Enable Profile				
Name : <input type="text" value="VCA Profile"/>				
Description : <input type="text"/>				
Configuration				
<input type="checkbox"/> DI				
<input type="checkbox"/> DO				
<input type="checkbox"/> Video				
<input type="checkbox"/> Motion Detection				
<input checked="" type="checkbox"/> VCA				
Zone :				
<input checked="" type="checkbox"/> All Zone				
<input type="checkbox"/> Zone #1				
<input type="checkbox"/> Zone #2				
<input type="checkbox"/> Zone #3				
<input type="checkbox"/> Zone #4				
<input type="checkbox"/> Zone #5				
<input type="checkbox"/> Zone #6				
<input type="checkbox"/> Zone #7				
<input type="checkbox"/> Zone #8				
<input type="checkbox"/> Count				
<input type="checkbox"/> Configuration				
<input type="checkbox"/> Tamper				
Go to VCA Configuration				
Network				
<input type="checkbox"/> IP Change				
Health				
<input type="checkbox"/> Temperature				
<input type="checkbox"/> DSPload				
<input type="checkbox"/> System				
<input type="checkbox"/> Heartbeat				
<input type="checkbox"/> Timer				

10. On the Action tab, configure the profile as shown in the following figure. Click OK when finished.

Event Profile

Configuration				
<input checked="" type="checkbox"/> Enable Profile				
Name : <input type="text" value="VCA Profile"/>				
Description : <input type="text"/>				
First Event	Second Event	Action		
Configuration				
<input type="checkbox"/> DO				
<input type="checkbox"/> Email				
<input type="checkbox"/> FTP				
<input type="checkbox"/> HTTP				
<input checked="" type="checkbox"/> TCP Event Message Go to TCP Configuration				
<input type="checkbox"/> Multicast Event Message Go to Multicast Configuration				
OK		Cancel		



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**.

1a New button

1b Device Type dropdown

1c Password field

1d Hostname/IP Address field

1e Apply button

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.

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

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 **sts=begin** 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 **POS**.

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 serial port 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. Enable the box in the Select column.

i. Click **Apply**.

4. 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	ttyS1	ttyS1	None	9600	8	1	None	None	80
Unused	ttyS0	ttyS0	None	9600	8	1	None	None	80

IP

Select	Use	Name	Status	Profile	Type	Address	Port	Max Line Length
<input checked="" type="checkbox"/>	POS	UDP Video Analytics	Not Available	UDP Video Ar	TCP	192.168.103.81	2555	80

3a New Delete

3i Apply Cancel

22.00 kB/s

5. 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 **Record Video**, which causes video to be recorded on the selected camera in Action Target 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**.

Event Linking

Log	Event Type	Event Source	Action Type	Action Target	Pre Trigger	Post Trigger	Status
<input checked="" type="checkbox"/>	Serial Profile	UDP Video Analytics - st...	Record Video	Panasonic	0	0	N/A

Event Type

- Video Loss
- Input Trigger
- Serial Profile
- Serial Profile
- Health
- IP Camera Connection
- Soft Trigger

Event Source

- CitySync
- Franklin
- Panoptics
- Talkaphone
- Talkaphone - camera_1
- UDP Video Analytics
- UDP Video Analytics - sts=begin

Action Type

- None
- Record Video
- Record Audio
- Output Trigger
- Output Video 1
- Notify
- Auto Export

Action Target

- Pete's Area
- Input 1
- Panasonic
- Input 1
- Input 1

Pre Trigger 0 Seconds

Post Trigger 0 Seconds

Log Settings

Maximum Days to Keep Logged Events: 30

4a New **4f** 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:

