

Requirements

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

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.

	VIEW SETUP
 Basic Configuration Video & Audio 	VCA Enable/Disable
 Event Configuration Surface Optimum 	VCA VCA Charle VCA
System Options IO Configuration Maintenance	Features NOTE: Only enable the features which are necessary for the deployment scenario. Since each feature consumes a portion of system resources, enabling features which are not required may degrade the overall system performance.
Enable/Disable Zones and Rules	Object tracking Select surveillance tracking for intruder detection or outdoor scenes. Select people tracking for tracking multiple people in indoor scenes
Calibration	Surveillance tracking
Classification Tamper Detection	Abandoned/removed object detection NOTE: The use of abandoned object detection may degrade the ability of the tracking engine to
Scene Change Detect	track moving targets through occlusions. Therefore, this feature should only be enabled if the detection of abandoned or removed objects is necessary.
Burnt-in Annotation Advanced	Counting line
Load/Save Settings	Smoke and fire detection
	Camera shake cancellation Can improve performance with camera shake. Does not stabilize video
 Motion Detect Activation About 	Apply Restore Defaults





- 5. Select Event Configuration and then TCP from the menu.
- 6. 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	TCP Setting		
	▼ Event Configuration	Configuration		
	Event Profile	Name :	Tcp Event	
	Email	Listen Port :	2555 (1 ~ 65535)	
5	FTP			
	НТТР		Apply Reset	
	Т СР			v1 07 04
	Multicast			V1.07.04
	System Options			
	IO Configuration			
	Maintenance			
	► VCA			
	Motion Detect			
	Activation			
	► About			

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

					VIEW SETUP
	 Basic Configuration Video 8 Audio 	Event Profil	e		
7	Figure Configuration	Use	Name	Description	
	Event Configuration	no	profile0	profile0 dsecription	
	Event Profile	ves	profile1 VCA Profile	profile1 dsecription	
	Email	-			
	Multicast				
	Multicast				
			Add	Modify Remove	
	System Options				
	IO Configuration	Configuration			
	Maintenance	Enable Old C	Configuration		
	► VCA				
	Motion Detect				v1.0.1
	Activation				11.0.1
	► About				





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 Profi	le												
Configuration													
🗷 Enable Profi	le												
Name :	VCA Profile												
Description :	Description :												
First Event	Second E	Event	Action										
Configuration													
DI													
DO 📃													
Video													
Motion Detection	tion												
VCA													
Zone :	🗹 All Zone												
	Zone #1	Zon	e #2	Zone #3	Zone #4								
	Zone #5	Zon	e #6	Zone #7	Zone #8								
Count													
Configurat	ion												
Tamper													
				<u>(</u>	to VCA Configuration								
Network													
IP Change	1												
Health													
i emperati	ire												
DSPload													
System													
Heartbeat													
Timer 📃													
		OK	Cance	I									





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

Configuration									
🗷 Enable Profi	le								
Name :	VCA Profi	le							
Description :									
First Even	t S	econd Event		Action					
Configuration									
DO									
🔲 Email									
FTP									
HTTP									
TCP Event I	Message						Go	to TCP Cont	figuration
Multicast Ev	ent Messag	e					Go to M	ulticast Cont	figuration
			OK		Cano	el			

Event Profile





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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.

										因 2 2 2 2	🕤 💿 ex	acq\/is
onfiguration Systems Add Systems	IP Camera Information			1b	IP Camera List	Add I	P Cam	eras				
Client					F 11 1		T		1446	2	C 1	1
A Groups	Device Type:	UDP		Y	Enabled	Address	Туре 🔺	Model	MAC	Firmware	Status	
Mans	Lisername:	root	-		192	168.103.87	RIVA	RC1100M		-	Connected.	
Enternrise				4.	192	168.102.96	UDP	NVC4000	00-13-23-04-BF-FE	1.8.0	Connected.	
evaceVision UDP Server	Password:			10	192	168.102.94	UDP	NVC4000	00-13-23-04-C0-03	1.8.0	Connected.	
System	Deserved Carlow				192	168.102.93	UDP	NVC4000	00-13-23-04-C0-02	1.8.0	Connected.	
Add IP Cameras	Password Connrm:				192	168.103.81	UDP	IPE1100M	00-13-23-04-84-8A	1.8.0	Connected.	
Camera Recording	Hostname/IP Address:	192.168.103.8	l/cho_uni	cast_	192	168.103.82	UDP	IPE1100	00-13-23-04-A1-4F	1.8.0	Connected.	
- O Audio Inputs					192	168.102.95	UDP				Not connected.	
	Port:	2555		1 d	192	168.103.79	UDP				Not connected.	
Serial Profiles Serial Ports Notifications exacqRecall Schedule	Find IP Cameras Rescan Network	Cancel 1e Server last scann	ed for IP	cameras on 7	/3/2012 at 12:56:18 Pf	и.						
	Reported Na	Address	•	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						





- 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.

Current Profile Properti	es	2b			
Profile Name: UDP	/ideo Analytics		Existing Profi	les	
SOT marker: sts=h	egin	2 c	CitySync Franklin		
EOT marker: sts=6	end		Talkaphone	analytics	
	Case Sensitive	2d			
Sel	ect Display Font				
and Record Masks	ont Sample		2a Even	t Key Words	26
and Record Masks String	ont Sample Mask Display	Mask Record	2a	t Key Words	2e Enable
and Record Masks String	Mask Display	Mask Record	2a	t Key Words Key Word sts=begin	2e Enable
and Record Masks String	Mask Display	Mask Record	Even	t Key Words Key Word sts=begin	2e Enable
and Record Masks String	Mask Display	Mask Record	Za Even	t Key Words Key Word sts=begin	2e Enable
and Record Masks String	Mask Display	Mask Record	Even	t Key Words Key Word sts=begin	2e Enable
and Record Masks String	Mask Display	Mask Record	Za Even	t Key Words Key Word sts=begin	2e Enable □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □





- 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.





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- 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 Linkin	J			
Server A	ctions											
Log	Event Type	Event Source	Action Type	Action Target	Pre Trigger	Post Trigger	Status					
~	Serial Profile	UDP Video Analytics - st	Record Video	Panasonic	0	0	N/A					
		4b		4c				4d			4e	
Event	Туре	Event Source						Action Type	Action Target		Pre Trigger	Post Trigger
Video	Loss Trigger	CitySync Franklin					1	None //	Pete's Area Input 1		0	0
Seria	Port	Panoptes						Record Audio	Panasonic		Seconds	Seconds
Healt	Profile /	Talkaphone - came	ra_1					Output Video 1	Input 1 Input 1			
IP Ca Soft	mera Connection rigger	 UDP Video Analytic UDP Video Analytic 	s // s - sts=begin					Notify Auto Export +				
					4a		Log Setting Maximum (New	gs Days to Keep Logged Events: Delete Apply	30 x T	4f		





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:







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