Introduction

exacqVision Edge is a variation of the standard exacqVision Server application that operates on a compatible Vivotek camera. It can record video from the local camera directly to the SD memory card in the camera or remote drives. The exacqVision Client application can connect to any combination of Edge and standard servers simultaneously.

Requirements

•

- A one-channel license from Exacq Technologies must be obtained for each Edge-enabled camera. (A standard Edge license part number is EDGE, and an Edge Plus license part number is EDGEP.)
 - exacqVision Edge is compatible with Vivotek FD8135H and FE8172 cameras:
 - The camera must be running a version of firmware that supports Vivotek VADP applications. Supported firmware varies between the camera models. Contact Vivotek for more information.
 - An SDHC class 10 or better SD memory card no larger than 32GB, purchased separately, is required for each camera. **NOTE:** Up to 2GB is reserved for exacqVision Edge operations and cannot be used for exacqVision Edge data storage.
- A separate web server computer running the exacqVision Web Service application is required for mobile or web clients connecting to Edge servers.

STANDALONE INSTALLATION

Block Diagram



exacqVision Client

ENTERPRISE INSTALLATION





Installation and Configuration

CAUTION: Do not record from an IP camera on more than one exacqVision server at a time, regardless of where exacqVision Server is running.

1. Install the Vivotek camera and insert the SD memory card in the camera.

NOTE: SD cards are normally pre-formatted to the FAT32 file system and automatically mounted when inserted. However, you can re-format the card using the camera, if desired, by following the instructions provided by Vivotek.

- 2. Configure the camera's network parameters to communicate with a PC-based browser using the Vivotek Setup Wizard found on the CD shipped with the camera, or downloaded from the Vivotek website.
- 3. If necessary, upgrade the camera firmware to the latest version from the Vivotek website.
- 4. Download the latest exacqVision Client application from the Exacq website at <u>www.exacq.com/support/downloads.html</u>.
- 5. Install the client software on your computer.
- 6. Download the latest exacqVision Edge server application from https://www.exacq.com/support/downloads.html.
- 7. Open a browser to the camera and log in. The default username and password are root and pass.
- 8. Select Advanced Mode. If you do not see Advanced Mode, but you do see Basic Mode, you are already in Advanced Mode.
- 9. Under Local Storage, select SD Card Maintenance.

R NEW DEFINITION OF HD		Home	Client settings	Configuration Languag
	Local storage > SI) card management		
System	- SD card status -			
Media	SD card status: Read	iy		
Network	Total size:	15552648 KBytes	Free size:	3248504 KBytes
Security	Used size:	12304144 KBytes	Use <mark>(%</mark>):	79.11 %
				Format
PIZ	- SD card control			
Event	Enable gudie ster			
Applications		ige		
	Enable automatic	disk cleanup		
Recording	Maximum duration for	keeping files: 7 day	S	
Local storage				Save
SD card management				
Content management				
[Basic mode]				

10. Ensure the Total Size is greater than zero, which means the camera is communicating with the SD card.



- 11. Under **Applications**, select **VADP**. Complete the following steps on the VADP page, as shown in the following illustration:
 - a. Select Browse and then locate the .gz file downloaded in step 6.
 - b. Select Upload. It may take up to five minutes for the package to load and install.
 - c. After successfully installing exacqVision Edge, exacqVision Server is displayed under **module_list**.
 - d. The License column lists "no" because exacqVision software is licensed separately.
 - e. Select exacqVision Server and click Start. The Status should now be "Running." Note that after the first installation, or after the SD card is replaced, up to five minutes could elapse before the server software is ready to connect.

			Home Co	nfigurat	ion Lang	guag
	Applications > vivotek_appli	ication_developm	ent_platform	n		
System	- upload package				а	b
Aedia	v save_to_sd_card					
	Select file		Brov	wse	Jpload	
letwork						-
Security	- resource_status					1
717	storage_status:					
	SD card status: Ready					
vent	Memory status:					
pplications	c					
Motion detection	- module_list					
DI and DO	module_name	vendor	version	Status	License	
Tampering detection	exacqVision Edge Server	Exacq Technologies	5.6.1.43460	ON	no	88
VADP	start Stop					d
Recording						_
ocal storago						
Basic mode 1						
Basic mode]						

12. In the local exacqVision Client, add the remote Edge server on the **Add System** page using the default **exacqVision Server** username (**admin**) and password (**admin256**). This allows the local client on your computer to communicate with the Edge server on the camera. When complete, the server's status is displayed as Connected.

uctom List			Add Systems				
Enabled	Address	System Name	Username	Status			



13. Add the exacqVision camera license to the camera's server on the System page. When complete, the status is displayed as Licensed.

System	Date/Time	Network	ActiveDirectory/LDAP Update			
Syst	em Identific	ation		License		
System Name:		exacqVisio	n Edge Server - Vivotek FE81	FC4EBA-26FDB3	-2CD13D-B3434E-0901	
		Apply	Cancel	MAC Address:	00-02-D1-1C-D9-9F	Сору
Setti	nas			Status:	Enterprise	
		Import	Export	Subscription Expires:	Updates through 4/24/2014	
_		Import	Export	Licensed IP Cameras:	1 IP Camera (1 used)	
				Import	Export Apply	Cancel

- 14. On the IP Cameras page, verify that the camera is associated with its Edge server:
 - The IP address must be 127.0.0.1 so that the Edge server communicates with the local camera.
 - The camera's credentials are **root** and **pass** by default.
 - The status is displayed as Connected when complete.

Camera List							
Enabled	Address	Туре 🔺	Model	MAC	Firmware	Status	
V	127.0.0.1	Vivotek	FE8172V	00-02-D1-1C-D9-9F	FE8172-VVTK-0100g1	Connect	

15. See the exacqVision user manual for additional configuration steps, such as configuring recording settings.



Troubleshooting

If you encounter a write error, complete the following steps:

- 1. Stop the exacqVision Edge server on the camera's Applications/VADP page.
- 2. Unmount the SD card on the Local Storage/SD Card Management page.
- 3. Check the SD card. If necessary, repair and format the card.
- 4. Remount the SD card.
- 5. Restart the exacqVision Edge server on the camera's Applications/VADP page.

