

Introduction

exacqVision Edge is a variation of the standard exacqVision Server application that operates on a compatible Illustra camera. It can record video from the local camera directly to the SD memory card in the camera and archive it to a remote drive(s). The exacqVision Client application can connect to any combination of Edge and standard servers simultaneously.

Requirements

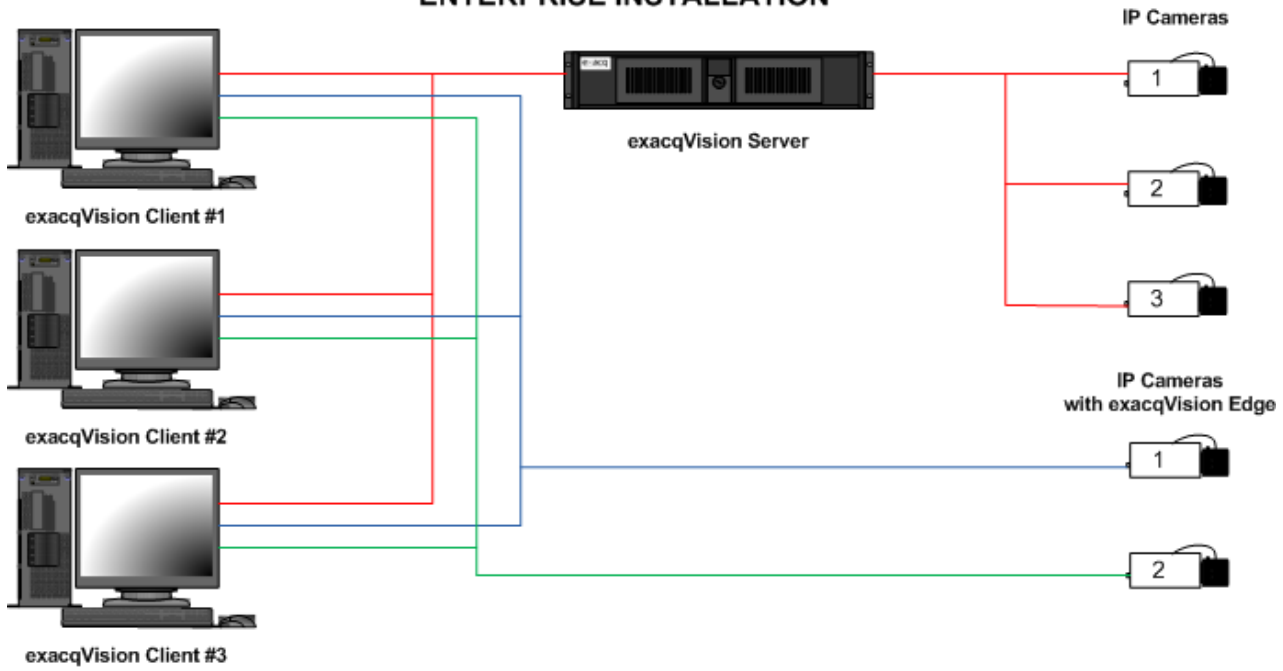
- A one-channel license from Exacq Technologies must be obtained for each Edge-enabled camera. (A standard Edge license part number is EDGE, and an Edge Plus license part number is EDGEPlus.)
- exacqVision Edge is compatible with Illustra cameras:
 - The i825 fisheye camera must be running version 1.0.3 firmware or later.
 - The Illustra Pro Compact Mini-Dome & Mini-Bullet cameras must be running version ADCi6x0M_V2.0.10.1050 firmware or later.
 - An SDHC class 10 or better SD memory card no larger than 64GB, 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.

Block Diagram

STANDALONE INSTALLATION



ENTERPRISE INSTALLATION



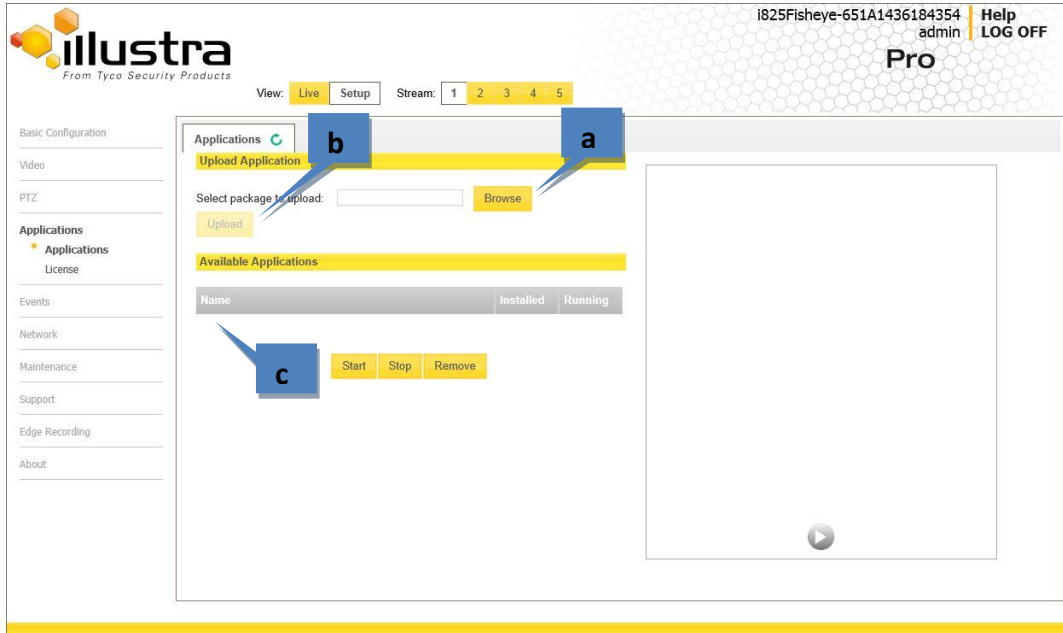
Installation and Configuration

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

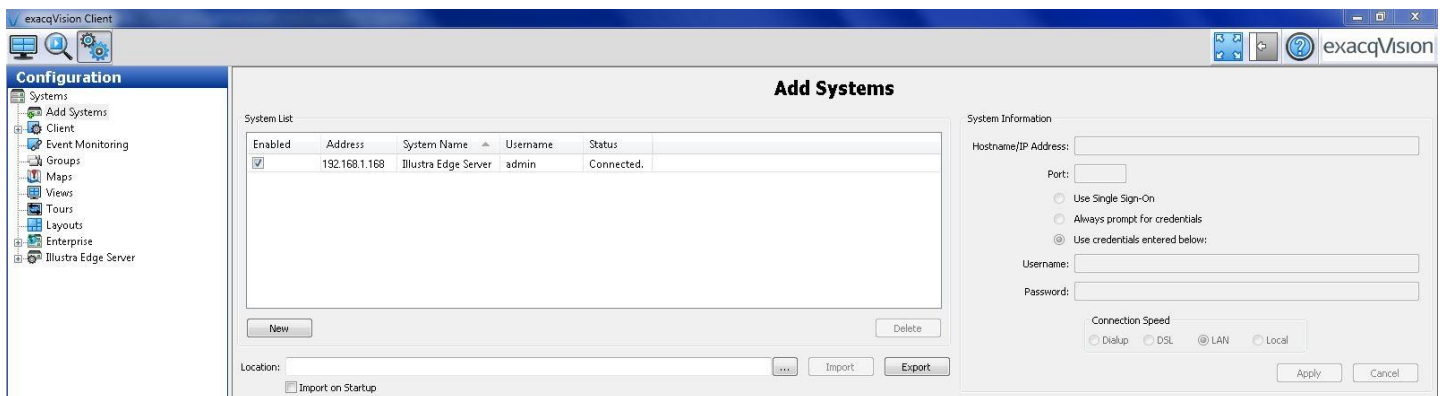
1. Install the Illustra camera and insert the SD memory card in the camera.
NOTE: SD cards are normally pre-formatted to the FAT32 file system and automatically mounted when inserted. However, you can re-format the card using the camera, if desired, by following the instructions provided by Illustra.
2. Configure the camera's network parameters by using Exacq's EasyConnect feature, the Illustra Connect utility found on the CD shipped with the camera, or by communicating with a PC-based browser with network settings on the same subnet as the default camera network settings.
3. If necessary, upgrade the camera firmware to the latest version from the Illustra website.
4. Download the latest exacqVision Client application from the Exacq website at www.exacq.com/support/downloads.html.
5. Install the client software on your computer.
6. Download the latest exacqVision Edge server application from <https://www.exacq.com/support/downloads.php?type=edge>.
NOTE: exacqVision Edge server software is available for both i600/610 and i825 processors. The download page contains a list of cameras supported by each exacqVision Edge-Illustra version. Make sure you download the correct version for your camera.
7. Open a browser to the camera and log in. The default username and password is **admin** and **admin**.
8. Select **Setup**. Under **Edge Recording**, select **SD Card Management**.

The screenshot displays the web interface of an Illustra camera. At the top left is the Illustra logo with the tagline "From Tyco Security Products". The top right shows the camera model "i825Fisheye-651A1436184354", the user "admin", and options for "Help" and "LOG OFF". Below the logo, there are navigation tabs for "View: Live Setup" and "Stream: 1 2 3 4 5". The main content area is titled "SD Card Management" and contains a table with the following rows: "Disk", "File Type", "Total Size", "Free Space", and "Status", all with dashes in the second column. Below the table are three buttons: "Format", "Mount", and "Unmount". A large empty rectangular area with a play button icon is on the right side of the page. The left sidebar contains a menu with categories: "Basic Configuration", "Video", "PTZ", "Applications", "Events", "Network", "Maintenance", "Support", "Edge Recording" (with "SD Card Management" selected), "Record Settings", "Event Download", and "About".

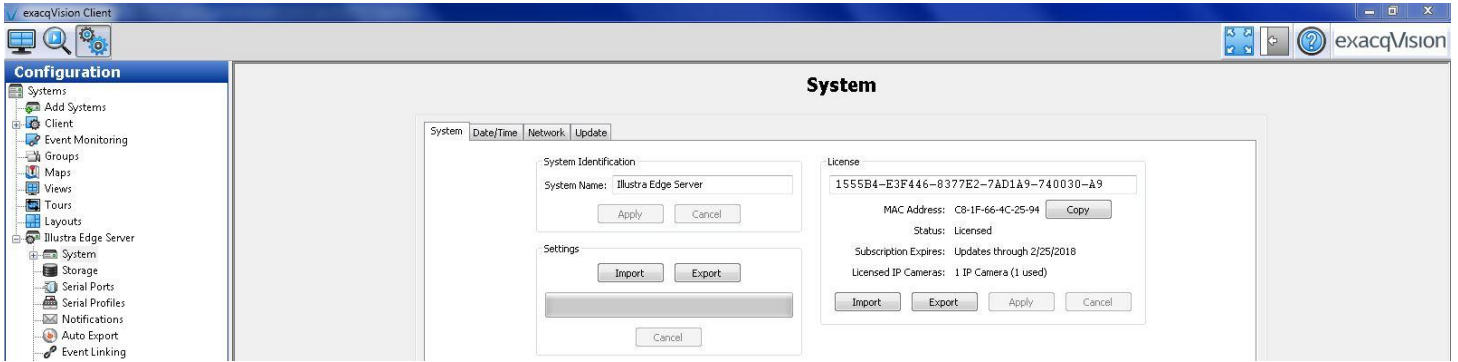
9. Ensure the Total Size for SD Card is greater than zero, which means the camera is communicating with the SD card.
10. From the Setup menu, select **Applications**.
11. Complete the following steps on the **Applications** page, as shown in the following illustration:
 - a. Select **Browse** and then locate the .enc or .tar 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 in the **Available Applications** list.



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**.



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



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 **admin** and **admin** by default.
 - The status is displayed as Connected when complete.

IP Cameras						
IP Camera List						
Enabled	Address	Type	Model	MAC	Firmware	Status
<input checked="" type="checkbox"/>	127.0.0.1	Illustra3	illustra 825	C8-1F-66-4C-25-94	1.0.3	Connected.

15. See the exacqVision user manual for additional configuration steps, such as configuring recording settings, setting up and connecting to an external archive drive.

Troubleshooting

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

1. Stop the exacqVision Edge server on the camera's Applications Web page.
2. Unmount the SD card on the Storage Setup 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 Web page.