

Quick Installation Guide

INR-310

64-Channel 6-Bay Tower Standalone NVR

INR-320

64-Channel 6-Bay RAID Tower Standalone NVR

INR-330

64-Channel 8-Bay Rackmount Standalone NVR

BEFORE YOU START

Thank you for purchasing ACTi Standalone Network Video Recorder. This guide contains all the information you need to quickly set up ACTi INR server system via local interface.

For detailed instructions on installation, operation and how to log in to INR as a web client, please refer to the product manuals provided on ACTi corporate website.

The items below are prerequisite for installation:

- Network cameras •Network cables •Network switch
- Monitor (with VGA cable) •USB mouse
- At least one ACTi-certified 3.5-inch SATA hard disk.

Find the certified disk models at <http://www.acti.com/hddselector>

TABLE OF CONTENTS

INR-310/320 Hardware Installation 4

Unpack / At A Glance / Hard Disk Installation
Connect The Devices / Attach The Dust Cover
Start-up / Create Hardware RAID (INR-320)

INR-330 Hardware Installation 7

Unpack / At A Glance / Rackmount The Unit
Hard Disk Installation / Connect The Devices
Attach The Dust Cover / Start-up

Software Installation 10

Create Disk Volumes / Log In / Create Users
Select Storage Devices / Add Cameras
Configure Camera Settings / Set Recording Schedule
Customize Views / Validation

INR-310/320 HARDWARE INSTALLATION

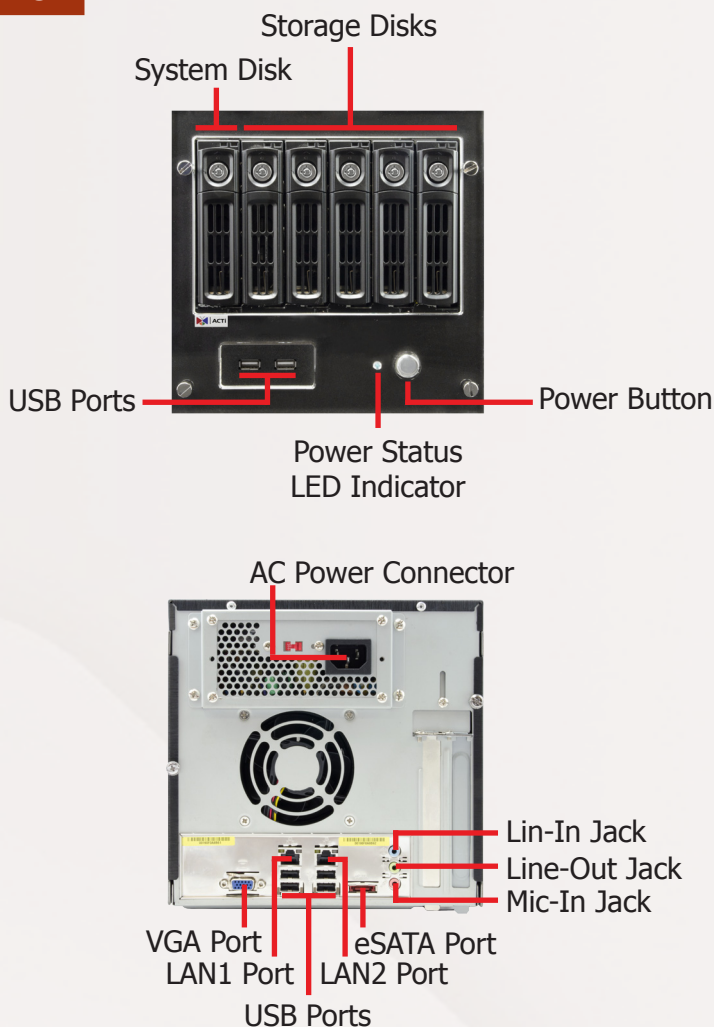
UNPACK

This package contains:

- INR x 1
- Accessories
- Warranty Card x 1
- Printed QIG x 1
- Power Cord x 1
- Universal Converter x 1



AT A GLANCE



HARD DISK INSTALLATION

TURN OFF THIS UNIT before you move the trays. Repeat the following steps to install the disks into **Storage Disk** bays.



System Disk
(DO NOT REMOVE)

MOUNT THE DISK

Step 3

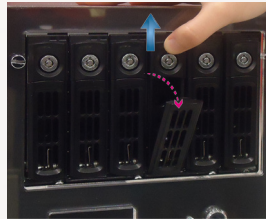
Mount the disk by locking it with supplied disk screws to the bottom of the tray.



REMOVE THE TRAY

Step 1

Slide the lock tab up, the hinge tab will pop out by itself.



Step 2

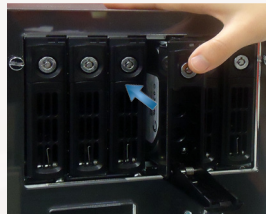
Pull the hinge tab to 90 degrees from the front, and pull out the tray.



INSTALL THE TRAY

Step 4

Place your thumb on the lock to push the tray into position in the chassis.



Step 5

Press the hinge tab until it clicks into place.

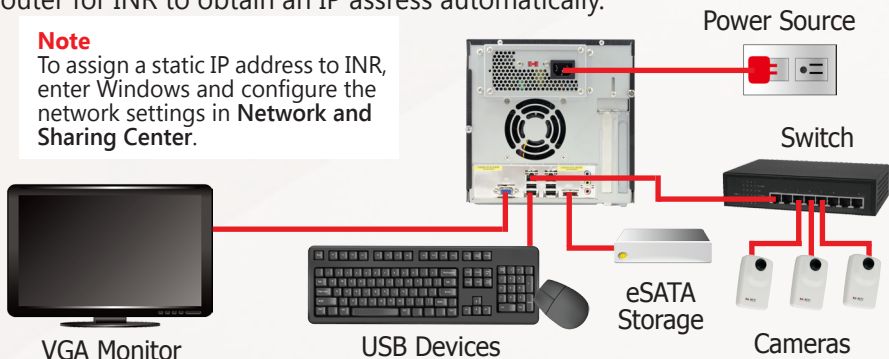


CONNECT THE DEVICES

The example below displays a network consisting of only INR, network cameras and required peripherals. Please remember to enable the DHCP service on your router for INR to obtain an IP address automatically.

Note

To assign a static IP address to INR, enter Windows and configure the network settings in **Network and Sharing Center**.



START-UP

1. On the unit's front panel, press down **Power Button** to turn on the unit.
2. As this unit starts up, you will enter Windows logon screen. Input the password "123456" to log in as administrator.

CREATE HARDWARE RAID

As INR-320 supports hardware RAID configuration, you can make disk arrays using the bundled software utility.

1. On Windows Desktop, double-click on the shortcut  to initialize the RAID management utility.
2. On **Basic RAID Configuration** tab, select a RAID type and click on "Apply".



3. After the configuration is complete, the RAID information will appear.



Note

Before removing or inserting the hard disk trays, please make sure the unit is turned off.

Moving the trays while the unit is operating can cause damage to the disk.

INR-330 HARDWARE INSTALLATION

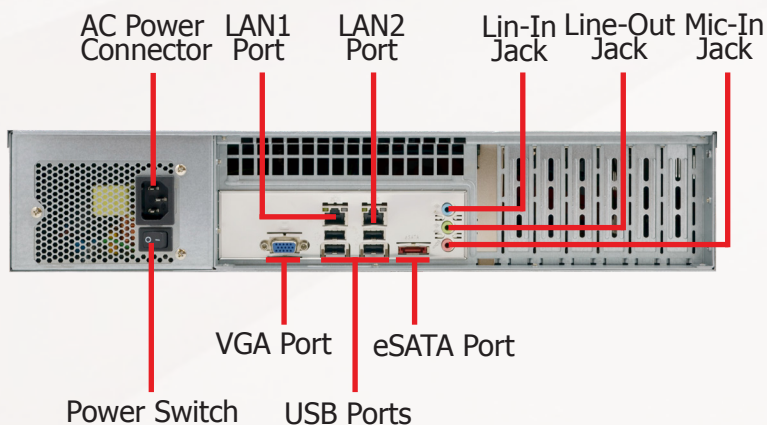
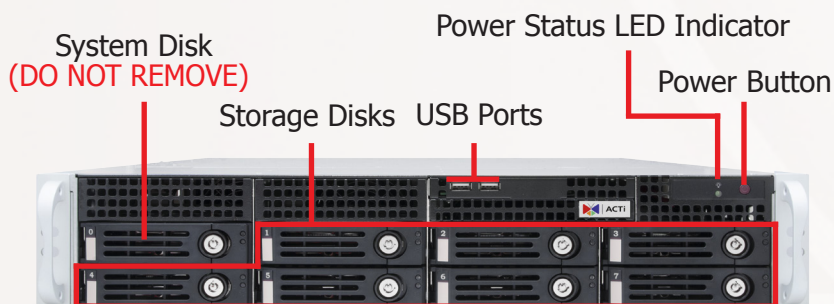
UNPACK

This package contains:

- INR x 1
- Accessories
- Warranty Card x 1
- Printed QIG x 1
- Power Cord x 1
- Universal Converter x 1
- HDD Tray Keys
- Dust Cover x 1



AT A GLANCE



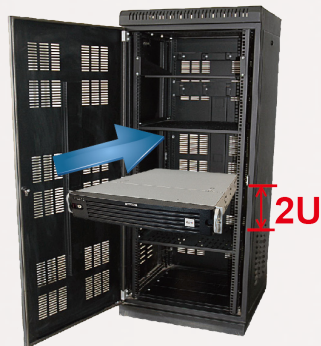
RACKMOUNT THE UNIT

This unit is designed to be mounted on a standard server rack, which occupies 2U (3.5") of vertical space.

1. Allow a minimum of 5 cm clearance at the front and the rear for front-to-back airflow of the unit.
2. Prepare a rack shelf rated for the unit's weight or purchase the rail kit from ACTi, and install that to support the entire unit.
3. Secure the unit onto the rack.



INR Sliding Rail Kit



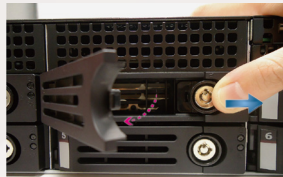
HARD DISK INSTALLATION

Make sure this unit is turned off, and insert the hard disks into the disk bays following the sequence of tray numbers.

REMOVE THE TRAY

Step 1

Slide the lock tab aside, and the hinge tab will pop out by itself.



Step 2

Hold the tab lever and pull out the tray.



MOUNT THE DISK

Step 3

Loosen the two screws on the tray to remove the dummy disk. Secure the hard disk on the tray with the provided disk screws. Make sure the disk connector faces towards the SATA contacts inside the unit.



INSTALL THE TRAY

Step 4

Place your thumb on the lock to push the tray into position in the chassis.



Step 5

Press the hinge tab until it clicks into place.

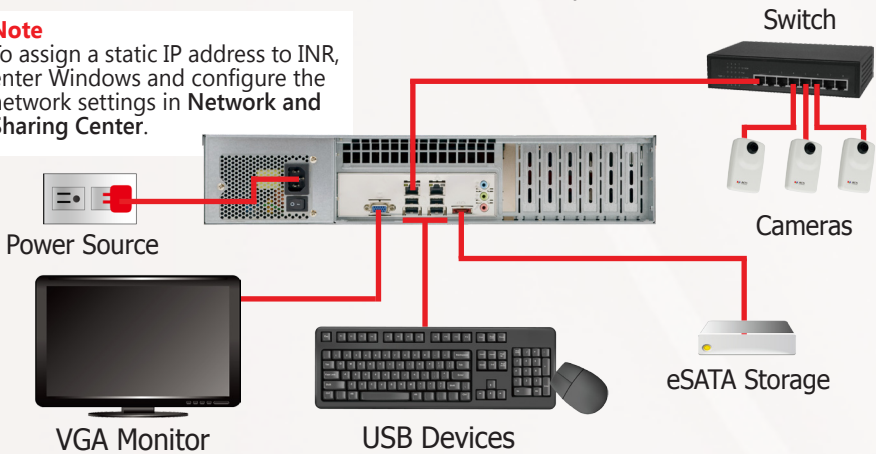


CONNECT THE DEVICES

The example below displays a network consisting of only INR, network cameras and required peripherals. Please remember to enable the DHCP service on your router for INR to obtain an IP address automatically.

Note

To assign a static IP address to INR, enter Windows and configure the network settings in **Network and Sharing Center**.



ATTACH THE DUST COVER

After you finish configuring INR system, remember to lock the disk trays using the provided keys and attach the dust cover to the unit's front panel.



Step 1

Align the left end hooks to the holes on the unit's left handle.



Step 2

Press the latch and push the right end towards the unit's right handle until it clicks into place.

START-UP

1. (For INR-330) On the unit's rear panel, press down the **Power Switch** to the side with "I" mark.
2. On the unit's front panel, press down **Power Button** to turn on the unit.
3. As this unit starts up, you will enter Windows logon screen, and input the password "123456" to log in as administrator.



SOFTWARE CONFIGURATION

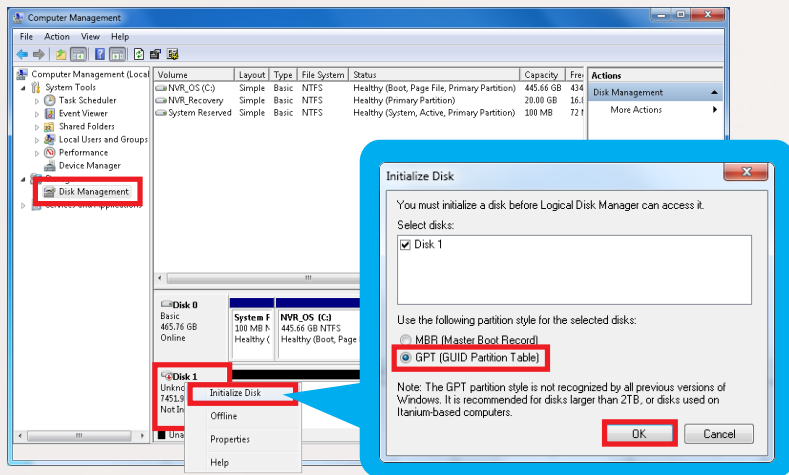
CREATE DISK VOLUMES

Use **Windows Disk Management** to create disk volumes so that INR can access the available storage space.

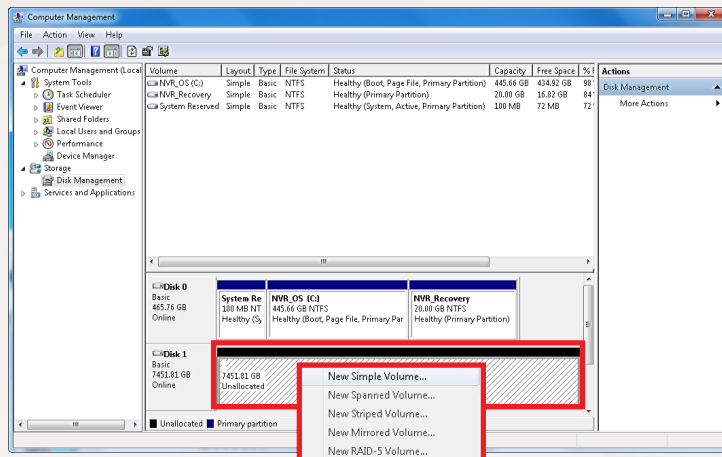
1. In Windows Search Box, search and enter "*computer management*".



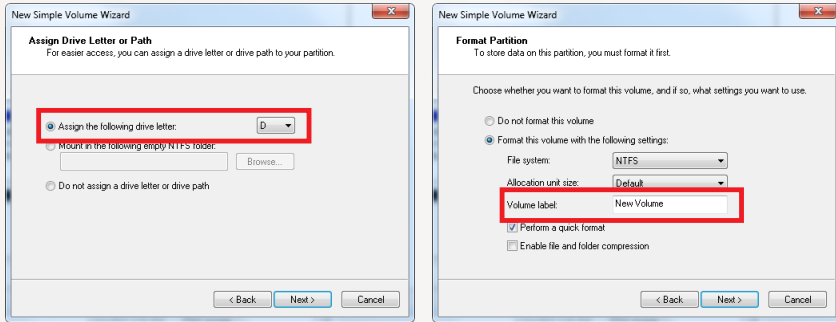
2. Select "**Disk Management**", right-click on a disk title and select "**Initialize Disk**", choose "**GPT**" as the partition style and click on "**OK**".



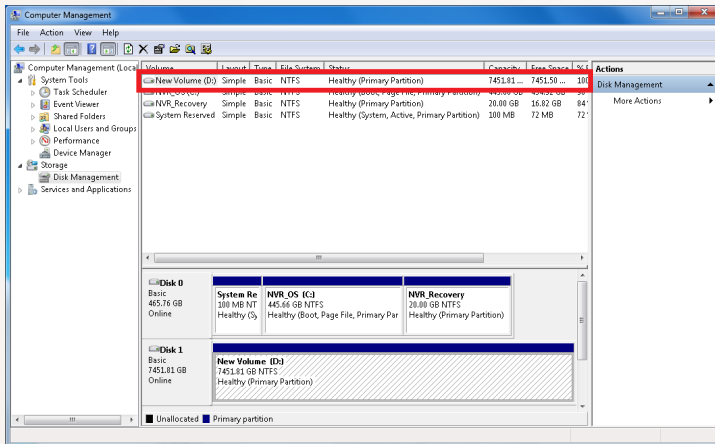
3. Right-click on the initialized disk and select the volume type to make a new volume.



4. On New Volume Wizard window, make sure you assign the desired drive letter and give a proper label name to this volume.



5. After the volume is created, it is shown on volume list and is ready for recording.



Note

To make a Striped volume, a Mirrored volume or a RAID-5 volume, it is recommended to select disks of the same model and capacity.

Note

For detailed instructions on choosing the RAID types and troubleshooting hard disk issues, please refer to System Administrator's manual provided on ACTi Download Center at <http://www.acti.com/downloadcenter>

LOG IN



On Windows Desktop, double-click on to enter NVR interface. Input the default account and password to log in.

Account: admin
Password: 123456

"123456" is the default password of NVR system administrator's user account. For security reasons, please remember to change it.

The NVR3.0 login interface is shown. It has a dark background. At the top, it says "NVR3.0". Below that, there are two input fields: "Account" with "admin" entered and "Password" with "*****" entered. Both fields are highlighted with a red rectangle. Below these fields is a "Language" dropdown menu set to "English". There are three checkboxes: "Remember Account/Password" (checked), "Auto Login" (unchecked), and "Don't Remember" (a link). Below these is a "Forgot Password?" link. At the bottom, there is a "Login" button highlighted with a red rectangle.

CREATE USERS

On NVR screen, click Setup button to enter **Setup** page and then **Users** tab.

1. Select "**User Groups**", click "**Add**" to start adding a new user group.

2. Input group ID and click "**Apply**".

The NVR Users panel is shown. The "User Groups" tab is selected. The "Add" button is highlighted with a red rectangle. The "Add New Group" dialog is open. The "Add Local User Group" radio button is selected. The "ID" field contains "Guard" and is highlighted with a red rectangle. The "Name" field is empty. The "Import Domain User Group" radio button is unselected. The "Domain" and "Domain Group" fields are empty. The "Cancel" and "Apply" buttons are at the bottom. The "Apply" button is highlighted with a red rectangle.

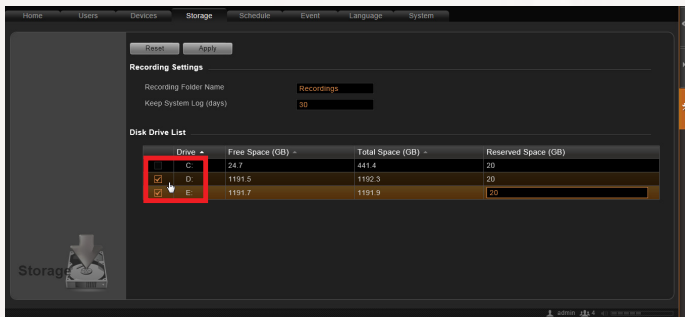
3. Click on the title bar of **Users** panel, click "**Add**" to start adding a new user.

4. Input user's **Account**, **Password**, **Email** address and select its **User Group**, and then click "**Apply**".

The NVR Users panel is shown. The "Users" tab is selected. The "Add" button is highlighted with a red rectangle. The "Add New User" dialog is open. The "Type" dropdown is set to "Local User". The "Account" field contains "Jimmy Hendricks" and is highlighted with a red rectangle. The "Name" field is empty. The "Password" field contains "*****" and is highlighted with a red rectangle. The "Email" field contains "Jimmy.Hendricks@acti" and is highlighted with a red rectangle. The "Group" dropdown is set to "Administrator" and is highlighted with a red rectangle. The "Cancel" and "Apply" buttons are at the bottom. The "Apply" button is highlighted with a red rectangle.

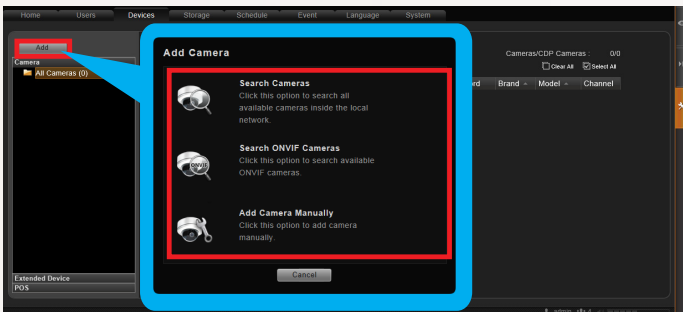
SELECT STORAGE DRIVES

1. Go to **Setup** page and then **Storage** tab.
2. On **Disk Drive List**, de-select C Drive, and select other storage drives.
3. Click **"Apply"**.



ADD CAMERAS

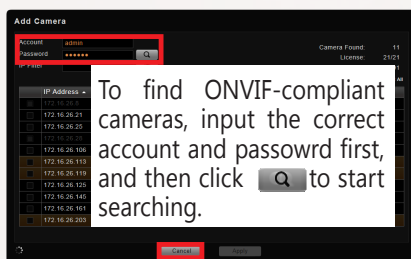
1. Go to **Setup** page and then **Devices** tab.
2. Click **"Add"**.



3. Choose a search method based on your network environment and camera brand.

Search Cameras

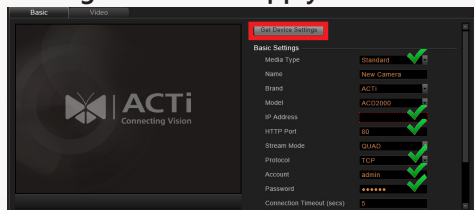
Use **"Search Cameras"** to auto-search the network for ACTi cameras, or **"Search ONVIF Cameras"** for ONVIF-compliant cameras of any brand. After selecting your desired cameras, click **"Apply"**.



To find ONVIF-compliant cameras, input the correct account and password first, and then click  to start searching.

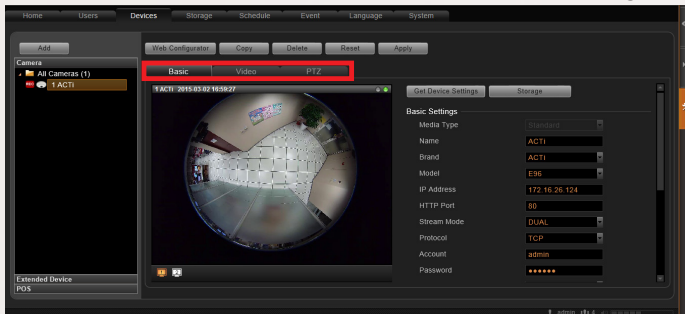
Add Camera Manually

If you are adding a camera located in another network, use **"Add Camera Manually"**. Fill in **Media Type**, **Protocol**, **IP Address**, **HTTP Port**, **Account** and **Password**. Finally, click **"Get Device Settings"** and then **"Apply"**.



CONFIGURE CAMERA SETTINGS

1. Go to **Setup** page and then **Devices** tab. Choose the camera from **Camera List**.
2. Select **Basic**, **Video**, **PTZ**, or **Preset Tour** tab to configure related settings.



SET RECORDING SCHEDULE

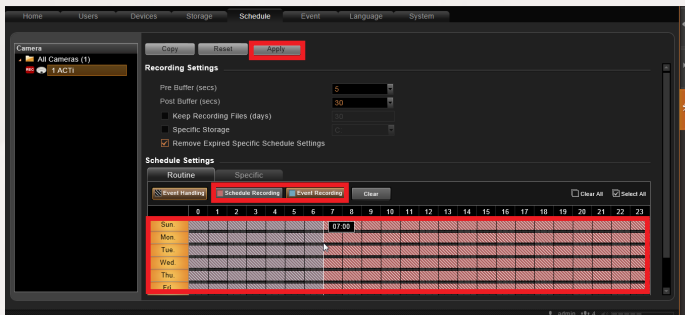
The recording service automatically starts full-time recording for a newly added camera. You can modify the recording schedule to suit your needs.

1. Go to **Setup** page and then **Schedule** tab. Select the camera from **Camera List**.
2. Choose a recording mode: **Schedule Recording** or **Event Recording**

Schedule Recording: Records video continuously during the scheduled session.

Event Recording: Records video based on specific triggers such as when a motion is detected by the camera.

3. Drag on the time table to define the time session.
4. Click "Apply".



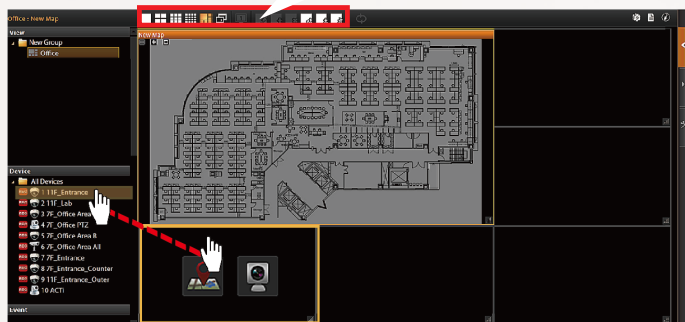
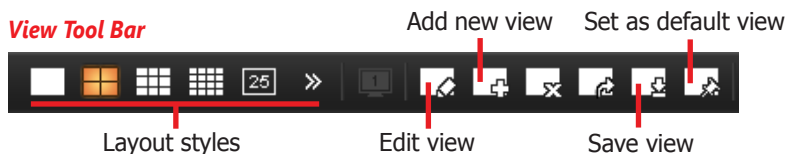
Note

If you have any question during system installation, please feel free to contact our engineers via **ACTi Customer Help Desk** platform at <http://www.acti.com/CHD>

CUSTOMIZE VIEWS

1. Go to **Live View** page. On top of the screen, click  on view tool bar to create a new layout, then click  to enter edit mode.
2. Select a layout style.
3. To add a camera view, pull a camera from **Camera List** to a channel.
To add a map view, select a channel and click , upload the map, drag the lower right corner  to adjust channel size.
4. On view tool bar, click  to save this view.
5. You can set this view as default view by clicking on .

View Tool Bar



VALIDATION



To check live streaming of all channels, go to **Live View** page, double-click on **All Cameras** on **Camera List**.



To check recording, go to **Playback** page, and then select (double-click) a view from **View List** or a camera from **Camera List**. Drag on the time bar to see the recorded video.

Due to continuous product improvements, some contents may have changed from the time this documentation was printed. You can download the latest user documentation, which shall prevail over the printed version provided in the package, from <http://www.acti.com/downloadcenter>.