



I-VIEW NOW
▶ because events happen in *real time*



Axis IP Cameras

Firmware version 5.2 and higher

US Version 12/8/2014

Installation Worksheet

The I-View Now Portal will provide an Installation Worksheet after entering the device into the system. This sheet will contain configuration information for the device's login, and provides a form to fill in details about the site setup (IP address, video port number). Device data from an example worksheet is printed below.

DVR/NVR #1: Axis - IP Camera			
SMTP Account ID:	<SMTP_ID_FOR_DEVICE>	DVR Username:	root
SMTP Server ID:	ivnview.com	DVR Password:	12345
SMTP Server Port:	3480		
Location IP Address:			

You will need to retrieve the IP address while on-site. Either ask the customer/IT department for the IP address, or visit <http://ipalarmtools.com> while on-site for the correct address.

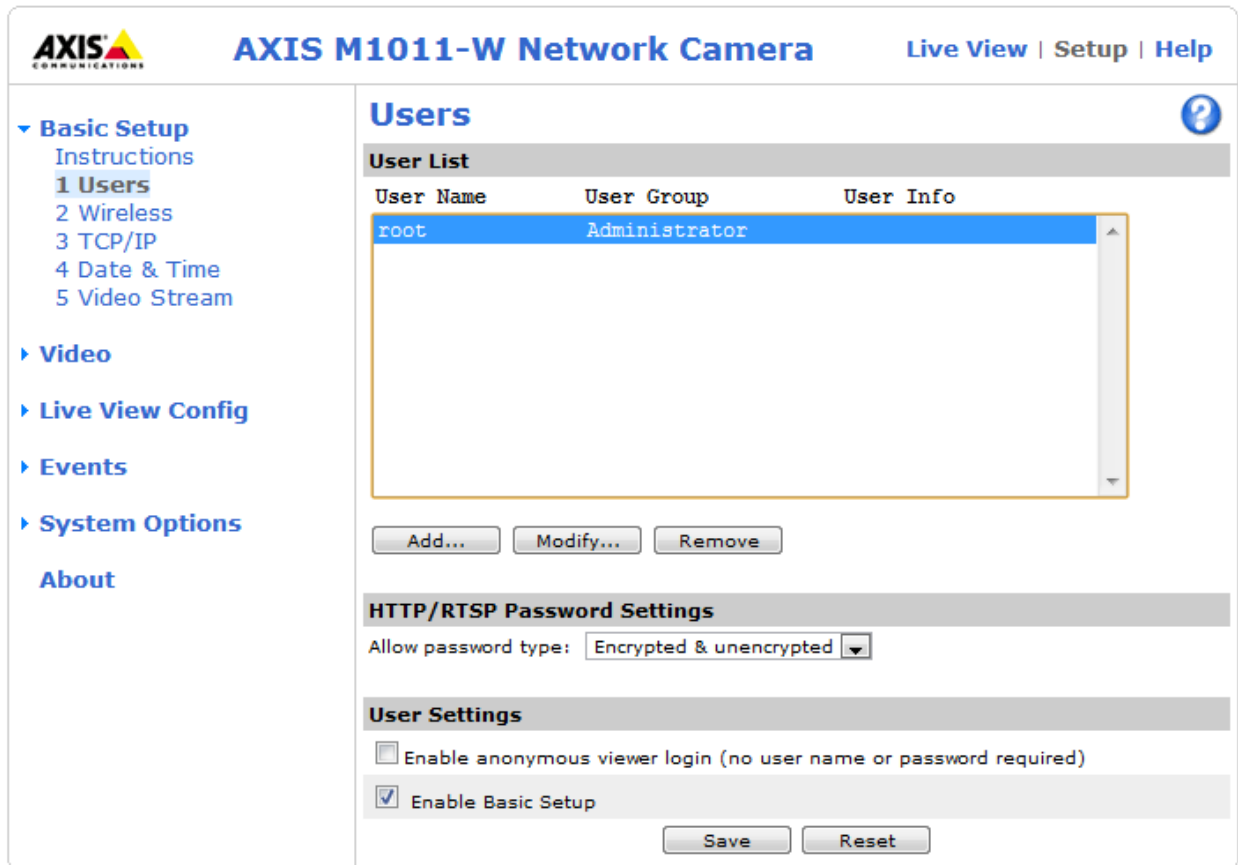
User Setup

Open the camera in a web browser. Click “Setup”, then under “Basic Setup”, click “Users”.

Click “root”, then click “Modify...” In the popup that appears, enter the password on the installation worksheet.

Click OK to close the dialog, then click Save.

You may wish to click Add and create a new account for the customer with **Viewer** rights.



The screenshot displays the web interface for an AXIS M1011-W Network Camera. The top navigation bar includes the AXIS logo, the camera model name, and links for Live View, Setup, and Help. A left sidebar contains a menu with categories: Basic Setup (with sub-items: Instructions, 1 Users, 2 Wireless, 3 TCP/IP, 4 Date & Time, 5 Video Stream), Video, Live View Config, Events, System Options, and About. The main content area is titled "Users" and features a "User List" table with columns for User Name, User Group, and User Info. A single entry is shown: "root" in the User Name column and "Administrator" in the User Group column. Below the table are three buttons: "Add...", "Modify...", and "Remove". Underneath is the "HTTP/RTSP Password Settings" section with a dropdown menu set to "Encrypted & unencrypted". The "User Settings" section contains two checkboxes: "Enable anonymous viewer login (no user name or password required)" which is unchecked, and "Enable Basic Setup" which is checked. At the bottom of the settings are "Save" and "Reset" buttons.

Network Setup

Under *System Options > Network > TCP/IP > Advanced*, check the **HTTP port**. Depending on the situation at the installation site, the camera may have to be set to a different port. Make sure that the port number set here is entered into the device information in the dealer portal.

If you changed the port, click Save at the bottom of the page. The device should now be configured for live view through I-View Now.

- ▶ Basic Setup
- ▶ Video
- ▶ Live View Config
- ▶ Events
- ▼ System Options
 - ▶ Security
 - ▶ Date & Time
 - ▼ Network
 - ▼ TCP/IP
 - Basic
 - Advanced**
 - Wireless
 - SOCKS
 - QoS
 - SMTP (email)
 - SNMP
 - UPnP™
 - RTP
 - Bonjour
 - LED
 - Maintenance
 - ▶ Support
 - ▶ Advanced
- About

Advanced TCP/IP Settings ?

DNS Configuration

Obtain DNS server address via DHCP View

Use the following DNS server address:

Domain name: (use ; to separate names)

Primary DNS server:

Secondary DNS server:

NTP Configuration

Obtain NTP server address via DHCP View

Use the following NTP server address:

Network address: (host name or IP address)

Host Name Configuration

Obtain host name via IPv4 DHCP View

Use the host name:

Enable dynamic DNS updates

Register DNS name: (Axisproduct.example.com)

TTL:

Link-Local IPv4 Address

Auto-Configure Link-Local Address View

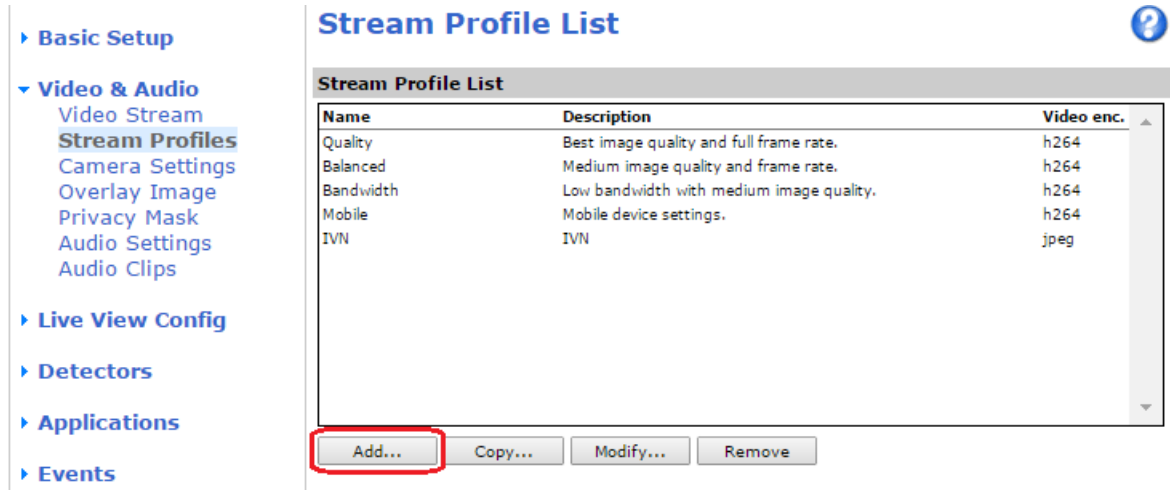
HTTP

HTTP port:

Stream Profile Setup

In this section we will be configuring a stream profile that generates the images to be used for video clip transmission

Click on “Stream Profiles” under the “Video & Audio” menu (or “Video” menu if your device does not support audio) then click on “Add”

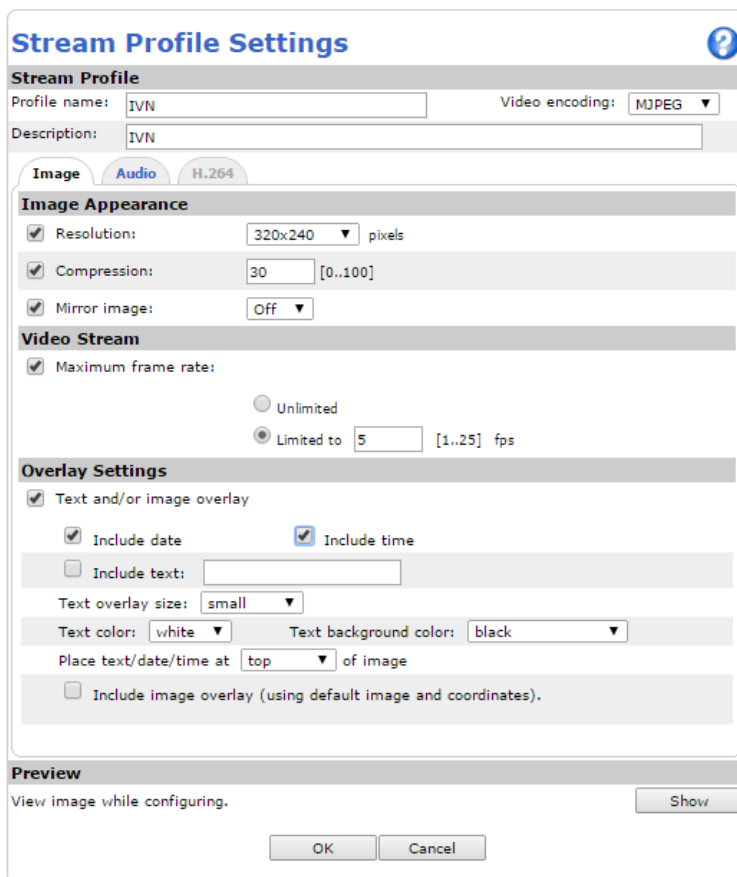


The screenshot shows the 'Stream Profile List' window. On the left is a navigation menu with categories: Basic Setup, Video & Audio (containing Video Stream, Stream Profiles, Camera Settings, Overlay Image, Privacy Mask, Audio Settings, and Audio Clips), Live View Config, Detectors, Applications, and Events. The main area is titled 'Stream Profile List' and contains a table with the following data:

Name	Description	Video enc.
Quality	Best image quality and full frame rate.	h264
Balanced	Medium image quality and frame rate.	h264
Bandwidth	Low bandwidth with medium image quality.	h264
Mobile	Mobile device settings.	h264
IVN	IVN	jpeg

Below the table are four buttons: 'Add...' (highlighted with a red box), 'Copy...', 'Modify...', and 'Remove'.

This will pop-up the Stream Profile Settings window:



The screenshot shows the 'Stream Profile Settings' dialog box. It has a title bar with a question mark icon. The 'Stream Profile' section contains 'Profile name: IVN' and 'Video encoding: MJPEG'. Below that is a 'Description: IVN' field. There are three tabs: 'Image', 'Audio', and 'H.264'. The 'Image' tab is active. Under 'Image Appearance', there are three checked items: 'Resolution: 320x240 pixels', 'Compression: 30 [0..100]', and 'Mirror image: Off'. Under 'Video Stream', 'Maximum frame rate:' is checked, with 'Unlimited' selected and 'Limited to 5 [1..25] fps' also selected. Under 'Overlay Settings', 'Text and/or image overlay' is checked. 'Include date' and 'Include time' are also checked. There are fields for 'Include text:', 'Text overlay size: small', 'Text color: white', and 'Text background color: black'. 'Place text/date/time at top of image' is selected. There is an unchecked option for 'Include image overlay (using default image and coordinates)'. At the bottom, there is a 'Preview' section with a 'View image while configuring.' checkbox and a 'Show' button. At the very bottom are 'OK' and 'Cancel' buttons.

- Under Profile Name enter “IVN” (We will be referencing this later in the Action Rule settings)
- Under Resolution select 320x240
- Under Maximum frame rate select “Limited to” and enter “5”
- RECOMMENDED – under “Overlay Settings” place checks in “Include date” and “Include time”
- Click “OK”

SMTP Setup (FW 5.4 – Skip if using 5.5+)

The SMTP settings must be configured in order for the camera to send alarms to I-View Now.

The screenshot shows the web interface for an AXIS M1034-W Network Camera. The page title is "SMTP (email) Settings". The left navigation menu includes: Basic Setup, Video & Audio, Live View Config, Detectors, Events, Recordings, System Options (Security, Date & Time, Network, TCP/IP, Wireless, SOCKS, QoS, SMTP (email), SNMP, UPnP™, RTP, Bonjour), Storage, Ports & Devices, Maintenance, Support, Advanced, and About. The main settings area is titled "SMTP Settings" and contains the following fields and options:

- Primary mail server^{1,2}: (host name or IP address)
- Primary server port: [0..65535]
- Use authentication to log in to this server.
- Secondary mail server²: (host name or IP address)
- Secondary server port: [0..65535]
- Use authentication to log in to this server.
- From email address¹:

Footnotes:

- ¹ Mandatory fields. If these are not set, no mail can be sent.
- ² If a host name is used, a valid DNS server must be specified in the TCP/IP network settings.

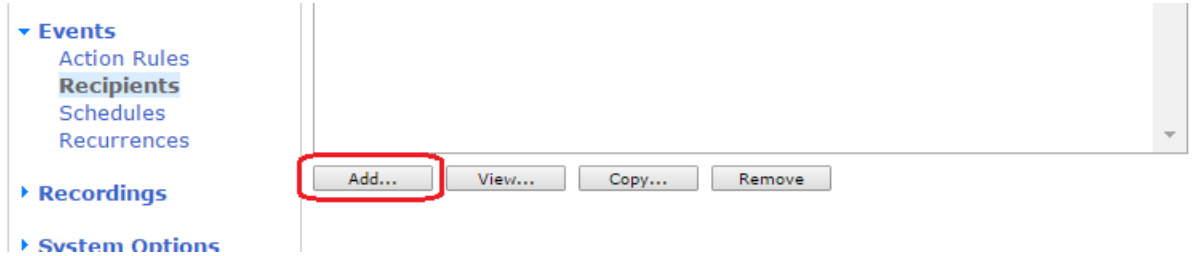
The "Test" section includes a "Send test email to:" field with a "Send" button. At the bottom of the page are "Save" and "Reset" buttons.

- Navigate to Setup->System Options->Network->SMTP(email)
- Enter the **"ivnview.com"** from the worksheet into the **Primary mail server** field
- Enter the **"3480"** from the worksheet into the **Primary server port** field
- Ensure **Use authentication is not checked**
- Enter the **SMTP Account ID** from the worksheet into the **From email address** field
- Click **Save**

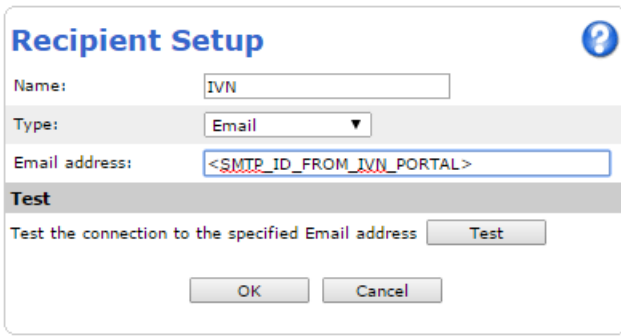
Recipient Setup (FW 5.4)

Axis cameras with firmware versions 5.4 and higher utilize “recipients” as their own menu item for SMTP communication.

Once an SMTP server has been configured, Select “Recipients” from the Events dropdown and click “Add”



This will pop open a new window where the recipient can be added:

The image shows a 'Recipient Setup' dialog box. It has a title bar with the text 'Recipient Setup' and a help icon. The form contains the following fields: 'Name' with the value 'IVN', 'Type' with a dropdown menu set to 'Email', and 'Email address' with the value '<SMTP_ID_FROM_IVN_PORTAL>'. Below these fields is a 'Test' section with the text 'Test the connection to the specified Email address' and a 'Test' button. At the bottom of the dialog are 'OK' and 'Cancel' buttons.


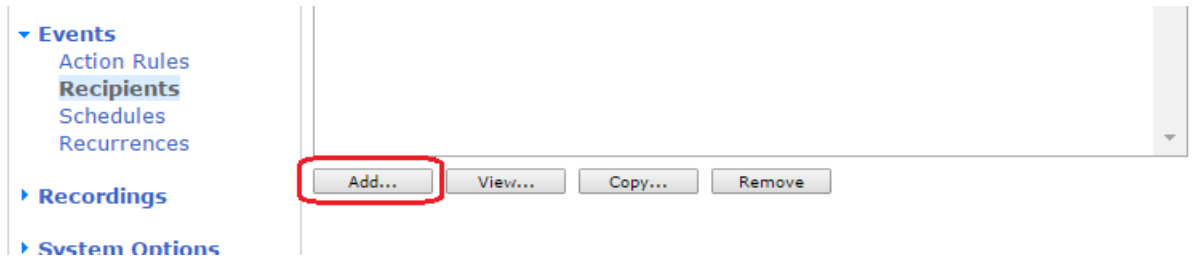
Under name enter “IVN” (to reference later), Type – select “Email” and enter the SMTP id for the device from the IVN portal in the Email Address Field and click “OK”.

Recipient Setup (FW 5.5)

Firmware version 5.5 combines the SMTP server settings and recipient info into a single item.

Accessing 5.5 Recipients is done the same as in 5.4.

Select “Recipients” from the Events dropdown and click “Add”

A dialog box titled 'Recipient Setup' with a question mark icon in the top right corner. It contains several sections:

- Name:** Input field with 'IVN' entered.
- Type:** Dropdown menu with 'Email' selected.
- To:** Input field with '<SMTP_ID_FROM_IVN_PORTA' entered.
- Email Server Settings:**
 - Provider:** Dropdown menu with 'User defined' selected.
 - User authentication:** Fields for 'User id:' and 'Password:'.
 - Advanced settings**
 - From email:** Input field with '<SMTP_ID_FROM_IVN_PORTA' entered.
 - SMTP server:** Input field with 'ivnview.com' entered.
 - Port:** Input field with '3480' entered.
 - Select authentication to use:** Radio buttons for 'SMTP' (selected) and 'POP'. Below 'POP' is a 'Server:' input field.
 - Encryption:** Dropdown menu with 'None' selected.
 - Validate server certificate**
- Test:** Text 'Test the connection to the specified email address' and a 'Test' button.

At the bottom are 'OK' and 'Cancel' buttons.

- Under “Name” enter “IVN
- Select “Email” from the Type selection box
- Enter the SMTP ID provided from the IVN portal in the “To:” field
- Under Provider select “User Defined”
- In the From Email area enter the SMTP ID provided from the IVN portal
- Under SMTP server enter “ivnview.com”
- Port: 3480
- Click “OK”

Action Rule Setup (5.4 and 5.5)

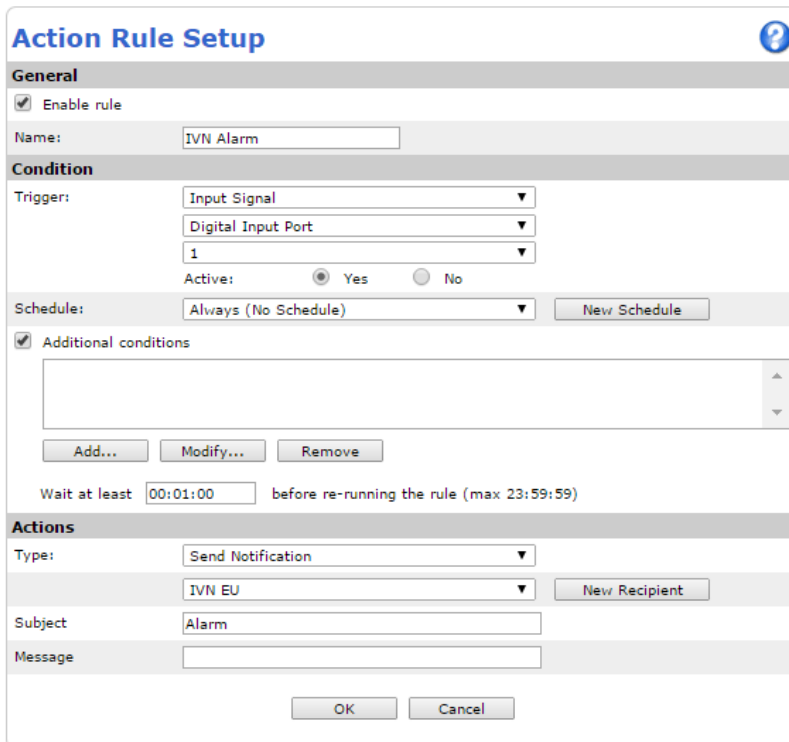
In this section we are going to be configuring (2) action rules in the device. The first will generate an alarm event in I-View Now, the second will transmit the video images when an alarm is activated.

*** When configuring an Axis camera that is configured with the “Managed By An External Device” flag in the IVN portal, only the “Clip” action rule is required.

To configure the Action rule to associate with an Event, select “Action Rules” from the Events menu on the left and click “Add”



Adding the “Alarm” notification action rule

A screenshot of the 'Action Rule Setup' dialog box. The 'General' tab is active. Under 'General', 'Enable rule' is checked, and 'Name' is 'IVN Alarm'. Under 'Condition', 'Trigger' is 'Input Signal', 'Digital Input Port' is selected, and the value is '1'. 'Active' is set to 'Yes'. 'Schedule' is 'Always (No Schedule)'. 'Additional conditions' is checked. Under 'Actions', 'Type' is 'Send Notification', 'Recipient' is 'IVN EU', and 'Subject' is 'Alarm'. There are 'Add...', 'Modify...', and 'Remove' buttons for additional conditions. A 'Wait at least' field is set to '00:01:00'. At the bottom are 'OK' and 'Cancel' buttons.

- Under Name enter “IVN Alarm”
- Trigger – select “Input Port”
- Check the “Additional Conditions” box to show additional options
- Change the value in the “Wait At Least” field to “00:01:00” – this adds a 1 minute buffer in between signals the camera will transmit
- In the Actions area under Type select “Send Notification”
- In the recipient area, choose the name of the recipient created in the earlier step
- Under Subject enter “Alarm”
- Click OK

Adding the “Clip” notification action rule

Action Rule Setup

General

Enable rule

Name:

Condition

Trigger:

Active: Yes No

Schedule:

Additional conditions

Wait at least before re-running the rule (max 23:59:59)

Actions

Type:

Stream profile:

Image frequency: frame(s) per

Duration: Pre-trigger time second(s)
 While the rule is active
 Post-trigger time second(s)

Limit: Send only the first images

Recipient:

Subject:

Additional information:

Images per email:

*Base file name:

Add date/time suffix
 Add sequence number suffix (no maximum value)
 Add sequence number suffix up to and then start over
 Overwrite/Use own file format.

[*See help for more information](#)

- In the Name field enter “IVN Clip”
- Under Trigger select “Input Signal”
- Check the “Additional Conditions” box to show additional options
- Change the value in the “Wait At Least” field to “00:01:00” – this adds a 1 minute buffer in between alarms the camera will transmit
- In Actions under Type choose “Send Images”
- Under Stream Profile, select the stream profile created in the earlier step
- For Image Frequency, enter 5 (For 5 FPS)
- Check the Pre-Trigger time box and enter 5
- Check the Post-Trigger time box and enter 5
- Under Recipient select the Recipient created in the earlier step
- Under Subject enter “Clip” (Important)
- In the Images per email field enter “100”
- Click “OK”