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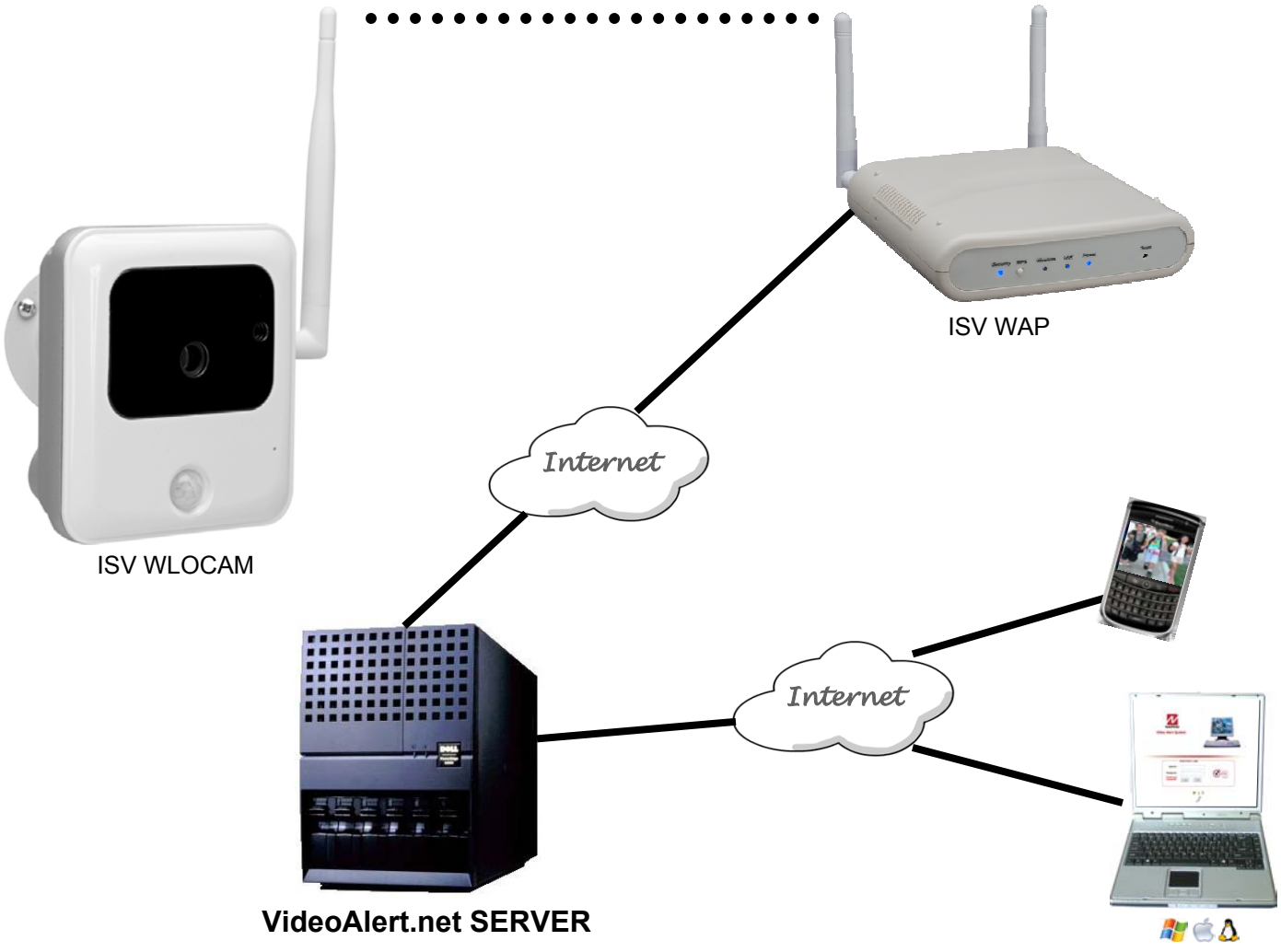
NAPCO iSeeVideo
ISV WLOCAM
Installation Guide

WI1932 01/11

iSeeVideo™ NAPCO

Outdoor Wireless IR IP Camera



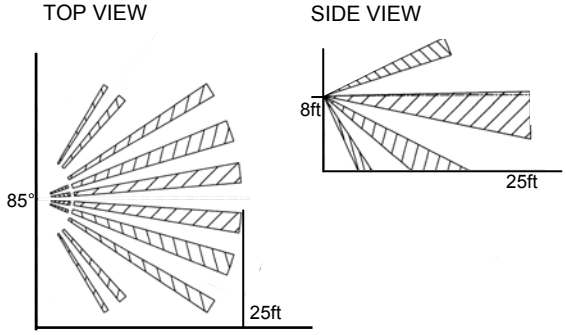
Designed exclusively for use with NAPCO iSeeVideo VideoAlert.net Server

COMPATIBLE

VeriSign Secured VERIFY

ISV WLOCAM Specifications:

- Resolution: VGA (640 x 480) at up to 25 Frames-per-second
- CMOS, 1/4” VGA Resolution Image Sensor
- Lens F2.0Fixed Focus, Effective Range: 0.2M to infinity
- Resolution Support 640x480
- Image Control AWB, AGC, Sharpness, Brightness
- (4) Programmable Pixel Based Motion Detection Zones
- Compression: H.264, MPEG-4
- Wireless Protocol: 802.11n
- Wireless Encryption: 128 Bit WPA
- Connectors: Ethernet RJ-45, DC Power, Reset
- Power Adapter: 12VDC/1A, 100/240 VAC Input
- Dimensions (HxWxD) 96 x 90 x 36 mm (3.8” x 3.5” x 1.4”)
- Weight 131g (0.29lb.) w/o stand, 256g (0.56lb.) w/stand
- Certification CE/FCC
- Environmental rating: IP65
- Operating Temperature: -15° to 45°C (5° to 113°F)
- IR Night vision LEDs: 6
- IR Night vision Range: 40’ (12m)
- PIR Motion Sensor Range: 25’ (7.6m) with a viewing angle of 85° when installed at a height of 8’ (2.4m)
- PIR Motion Detection Pattern:



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ORDERING INFORMATION

ISVWLKIT1 Fixed IP WL Camera Kit
Includes:
(1)ISVWLCAM, fixed IP wireless camera, mounting bracket, Power Adapter with 15’ cable
(1)ISVWAP, wireless access point, CAT5 cable, Power Adapter.
12 months iSeeVideo network service

ISVWLCAM Additional Fixed IP WL Camera
Includes:
(1)ISVWLCAM, mounting bracket, Power Adapter with 15’ cable
12 months iSeeVideo network service

ISVWLPTKIT2 Pan/Tilt IP Camera Kit
Includes:
(1)ISVWLCAMPT, pan/tilt IP wireless camera, mounting bracket, Power Adapter with 15’ cable
(1)ISVWAP, wireless access point, CAT5 cable, Power Adapter.
12 months iSeeVideo network service

ISVWLPTCAM Additional Pan/Tilt IP Camera
Includes:
(1)ISVWLCAMPT, mounting bracket, 15’ CAT5 cable, Power Adapter with 15’ cable
12 months iSeeVideo network service

ISVWLOKIT3 One Outdoor IR IP Camera Kit
Includes:
(1)ISVWLCAMPT, Outdoor IR wireless IP camera, mounting bracket, Power Adapter with 15’ cable
(1)ISVWAP, wireless access point, CAT5 cable, Power Adapter.
12 months iSeeVideo network service

ISVWLOCAM Additional Outdoor IR IP Camera
Includes:
(1)ISVWLOCAM, Outdoor IR wireless IP camera, mounting bracket, Power Adapter with 15’ cable
12 months iSeeVideo network service

Mobile Application Support:

iPhone, iTouch and iPad
Android™ OS 1.6 or newer
BlackBerry™
Pearl*
Curve*
Curve World Edition*
Bold
Tour
Storm
Storm 2
Torch

*OS ver. 4.6 or newer required

NAPCO Security Technologies, Inc.
For Sales and Repair, call toll free: (800) 645-9445
For direct line to Technical Service, call toll free: (800) 645-9440
Internet: http://www.napcosecurity.com

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Linux ® is a trademark of Linus Torvalds. The Linux penguin logo was created by Larry Ewing.

Overview of the iSeeVideo System

The **NAPCO iSeeVideo** system allows remote video internet monitoring of homes and businesses through a unique subscription-based account system that provides the opportunity to realize recurring revenue from residential and commercial video installations. The system is comprised of the following components:

The **ISV WLOCAM** high quality wireless outdoor IP video camera provides video at 640 x 480 lines of resolution that can be viewed through the iSeeVideo server on virtually any computer in the world at 20+ frames per second. The **ISV WLOCAM** also provides a PIR motion sensor that, when activated, will prompt the transmission of video clips to the iSeeVideo server. It also features IR LED illumination for night vision applications. The **ISV WLOCAM** provides (at no additional service charge) dynamic IP support through the iSeeVideo DNS network - keeping constant track of the broadband modem's IP address changes, ensuring that the DHCP IP address is always kept current.

The 640 x 480 VGA resolution at 20 + fps provided by the camera is far superior to most competitors in the category who offer low quality 240 x 320 video at a reduced frame rate. This extremely efficient use of available bandwidth allows you to offer your customers the highest quality video in the category; video that can even be displayed on a large screen television with remarkable clarity.

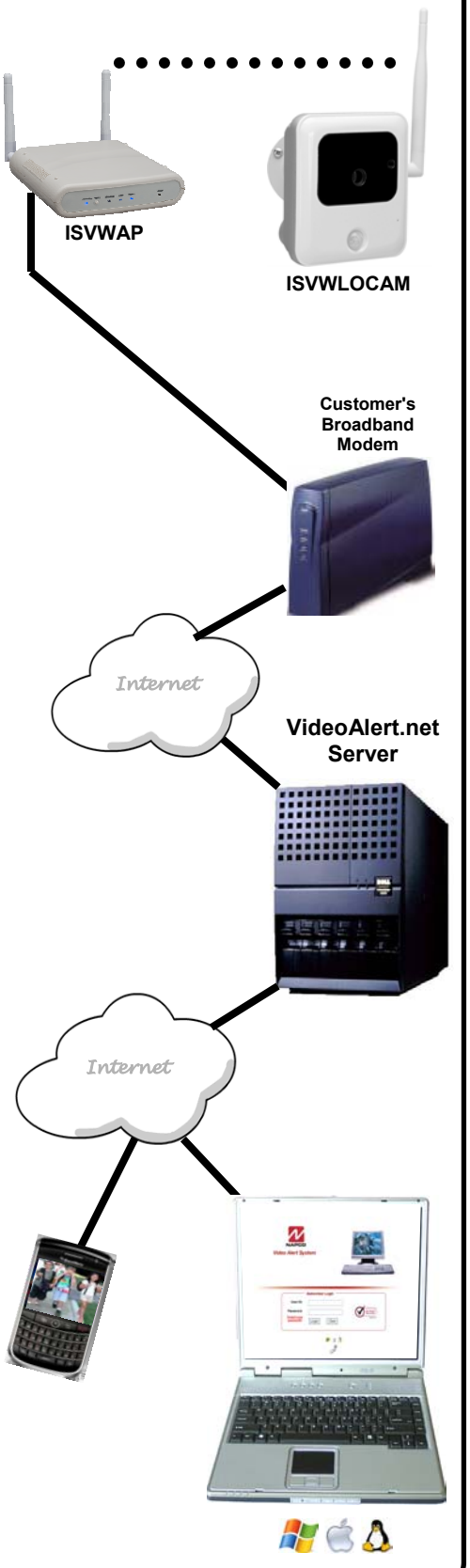
The **ISV WAP Wireless Access Point** allows the simple instant configuration of the wireless iSeeVideo camera, without confusing or intrusive multi-step enrollment procedures (patents pending).

The installation procedure for the WAP and cameras is actually not a procedure at all; simply plug the WAP into the customer's network (router) and power up the cameras. At this point, all of the cameras are fully operational and can be viewed through the iSeeVideo portal, protected by the default iSeeVideo 128bit encryption. Once all cameras are up and running, simply click the LOCK icon on the portal to prompt the camera to send a new, unique 128bit encrypted secure key to the WAP, ensuring the best possible wireless security.

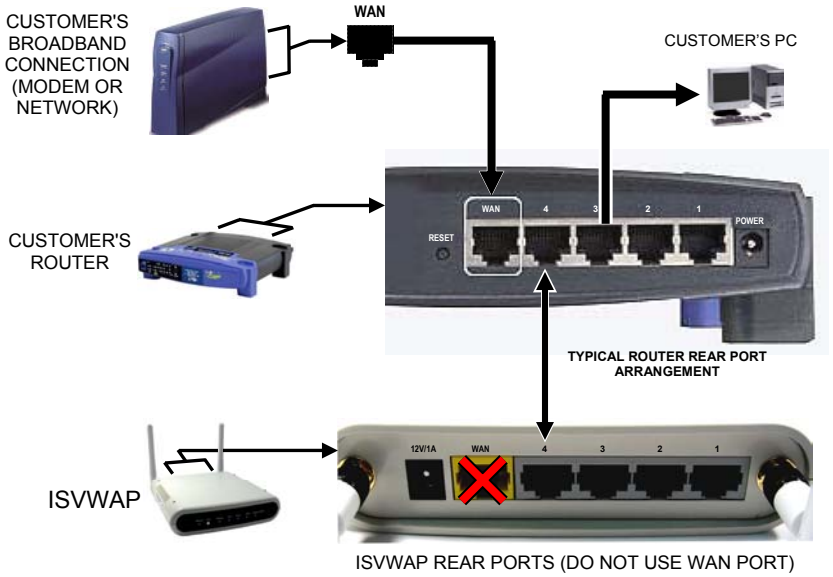
This is unlike competitive installation procedures, which involve confusing multiple steps with specific precision timing, or in some cases force the installer to use the customer's personal computer to "discover" the cameras and download "plug-ins" through the computer in order to enroll a required gateway.

The iSeeVideo system was designed to avoid all of these obvious complications and privacy concerns. The customer's personal property should never be used as an installation tool, especially when the computer contains the customer's personal data including communications, pictures and banking information.

The NAPCO **iSeeVideo server** maintains video accounts and allows subscribers to view their iSeeVideo cameras from any personal computer, web enabled cell phone or mobile device. It is compatible with computers running the Microsoft Windows®, Apple® and Linux® operating systems and is also compatible with any web-enabled cell phone or mobile video device. The server also automatically notifies the subscriber by email upon receipt of triggered video events and archives them for viewing at a later time. Each subscriber account provides 50Mb of storage, allowing the archiving of about (75) 10 second video clips (adjustable 5 sec pre-alarm and 5 sec post-alarm). The server is designed to allow the customer to have complete control of their account in regard to passwords, email addresses and other personal information.



1 CONFIGURE THE NETWORK CONNECTION



ISVWAP REAR PORTS (DO NOT USE WAN PORT)

ISVWLCAMPT

ISVWLOCAM

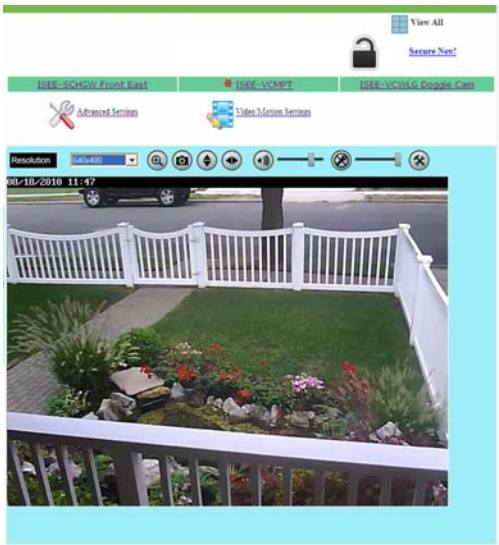
ISVWLCAM

⇒ Make the connections above and plug in the ISVWAP power adaptor
⇒ Attach the antennas to the camera(s)
⇒ Plug in the camera power adaptor

There are no other steps required to deploy the cameras through the customer's network; the cameras will automatically begin communicating to the iSeeVideo server system.

Create the new iSeeVideo account and register the cameras as shown on page 5.

Secure the iSeeVideo Wireless network



Once all cameras have been registered to the new account and can be viewed, the wireless network must be secured.

⇒ While viewing each camera, simply click **Secure Now!** next to the unlock Icon and the camera will send a new, unique 128bit encrypted secure key to the Wireless Access Point, providing a secure wireless connection.

⇒ You will be automatically logged out of the account; log back in to view the secured camera to ensure that the unlock icon has change to a locked state.

⇒ Repeat for each camera in the system.

If a new camera is added to the system in the future, simply repeat the above procedure to secure it.

2 Activating the iSeeVideo account

Following are the steps for account activation. These activation steps include the branding of the camera to your Company's personalized iSeeVideo web page, registration of the camera and adding Users to the account.

NEW ACTIVATION

1. To activate your new **iSeeVideo** account, simply enter the following Internet address in your Web browser:

   https://www.videoalert.net/

   ...and the following webpage appears:

   Click the **NEW ACTIVATION** button

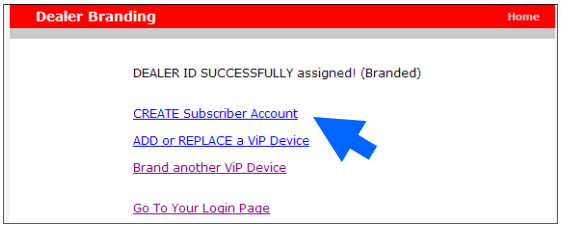
   The New Activation screen will appear. Enter the 8 character Security Code printed on the label on the back of the camera.

   S C _ _ _ _ _ _

   Click **Next** ➔

2. The Dealer Branding screen will appear. Enter your Company Dealer Admin ID and Password and click **Next** ➔

When Dealer Branding is successful, a screen offering the following options will appear:



Create Subscriber Account Now

Click to create a new Subscriber account with this camera and enter the Subscriber details (see below)

ADD or REPLACE a VIP Device

To add or replace a camera to the account click here. See Adding additional cameras to an existing account for more details.

Brand Another VIP Device

If there are multiple cameras to be installed, click here to brand these devices.

Go to Login Page

Click here to go directly into your camera log-in screen.

For a single camera system, click **CREATE Subscriber Account**.

ISV WLOCAM Security Code	S C _ _ _ _ _ _

3. Create Subscriber Account Now

Click to bring up the Subscriber Details screen, where the basic account information is entered.

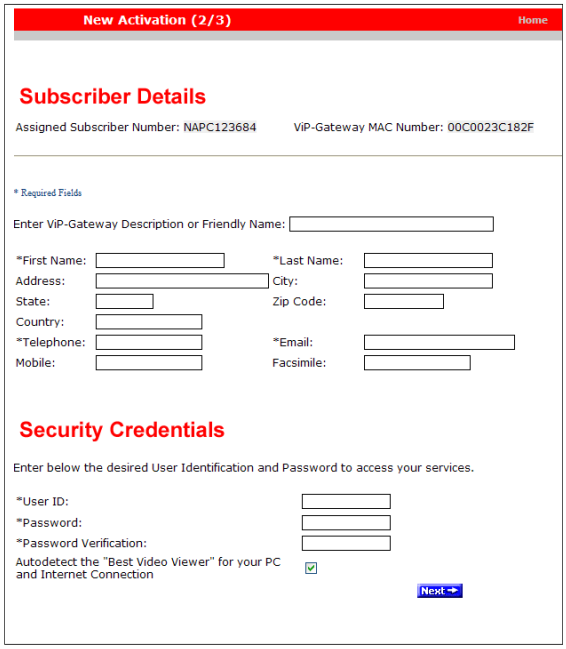
Enter your name, address, telephone number and other information in the appropriate fields as shown in the image at right.

The User ID and Password entered at this step will become the Master User of the account and will be the only User to have administrative privileges (the ability to program Advanced Settings and add Users to the account).

NOTE: All field descriptions marked with an asterisk (*) **must** be completed.

! **IMPORTANT** - Change your Password

Click **Next** ➔

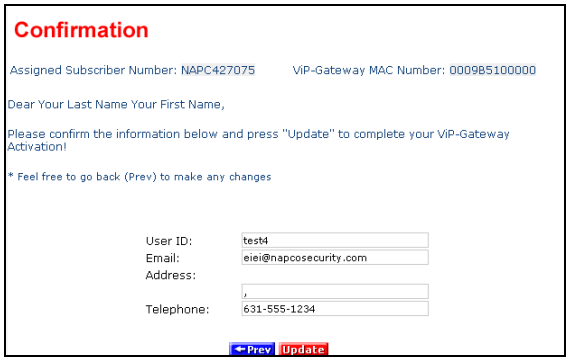


4. Confirmation

The "**Confirmation**" section verifies all information entered above.

Be sure to check the accuracy of the information displayed, and if changes are required, click the **Prev** button to edit any previously entered information.

When you are sure the information displayed is correct, click the **Update** button to complete your new account activation procedure.



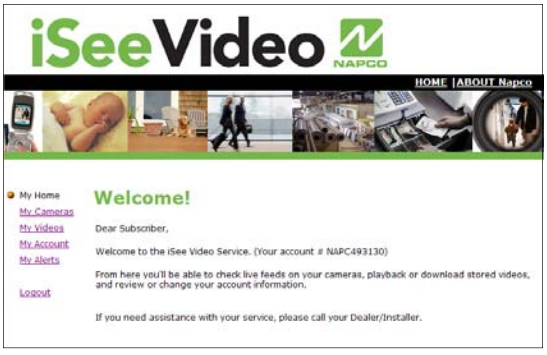
☞ If you forget your password, click the "**Forgot Your Password?**" link on the **Subscriber Login** screen and an email with your password will be sent to the email address above

5. Login Screen

The iSeeVideo login screen will appear. Test the account by logging in with the new User ID and Password.

6. Welcome screen

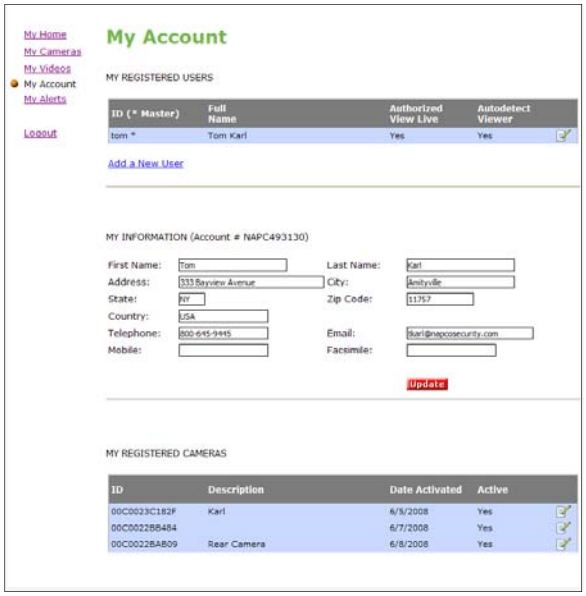
If login is successful, the Welcome screen will appear. This is the User's "Home" screen, and will allow them to manage their account, view cameras and stored video.



7. My Account

Click My Account to view account information. From this screen, you can update your account information (My Information), and add Users to the account.

To add a new User to the account, click Add a New User.



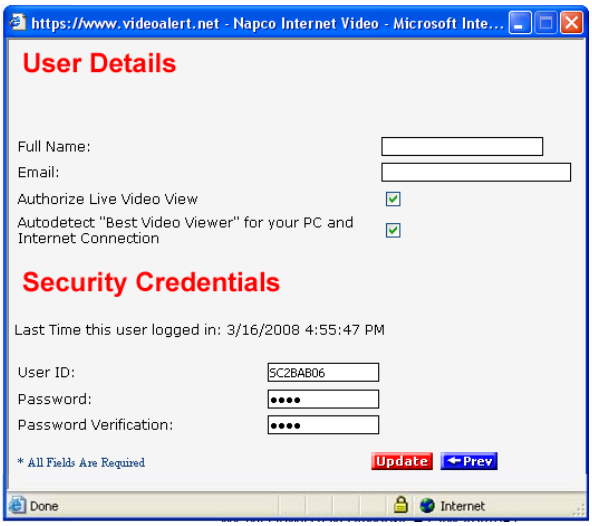
8. Adding additional Users. To add User to the account, click Add a New User and the **User Details** screen opens, allowing you to add new users in the fields shown. **Note:** All fields are required.

Enable (check) **Authorize Live Video Review** if to allow the user to view live videos at any time.

By default, **Auto-detect "Best Video Viewer**..." should always be enabled.

Click **Update** to add the new user and return to the previous screen, or click **Prev** to cancel and return to the previous screen.

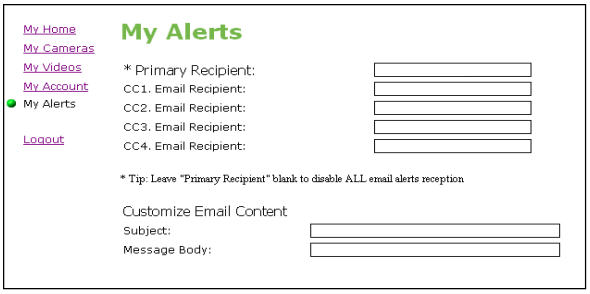
The system supports a maximum of 5 Users, including the Primary User.



9. Click **Email Alert Settings** to enter the Email address of those Users you wish to be notified via email when a triggered motion detection event occurs. The email message will include a link to the account and will allow them to review stored video. The system supports a maximum of 5 Users, including the Primary User.

You may also enter the subject you would like the User to see on the subject line of the email, as well as text in the message body.

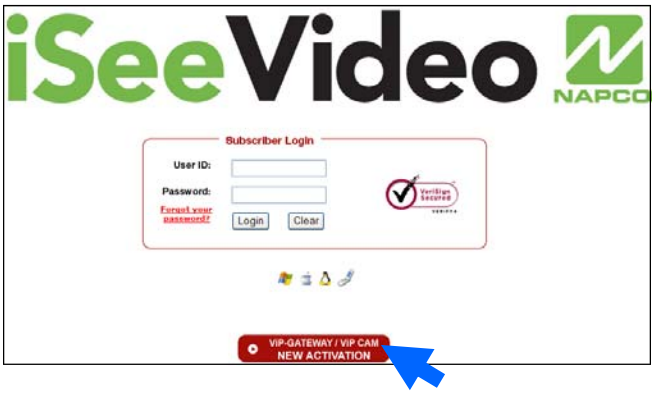
To activate the video motion detection feature, see page 10.



Adding or Replacing cameras on an existing account.

Once the camera has been registered and the account has been created, additional cameras, if any may be added to the account through the following steps:

1. **Return to the www.videoalert.net** login screen and click the **NEW ACTIVATION** button



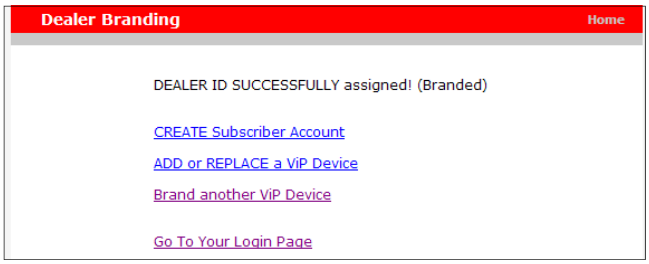
The New Activation screen will appear. Enter the 8 character Security Code printed on the label on the back of the camera to be added.

S C _ _ _ _ _ _

Click **Next** ➔

2. The Dealer Branding screen will appear. Enter your Company Dealer Admin ID and Password and click **Next** ➔

3. After Dealer Branding is complete, click Add or Replace a VIP Device.



4. The next screen that appear will allow the registration of the camera to the correct account. A pull-down menu will appear, listing all accounts assigned to the Dealer ID entered in the branding screen.

Select the correct account from the list by clicking it and then click **Next** ➔ to continue.

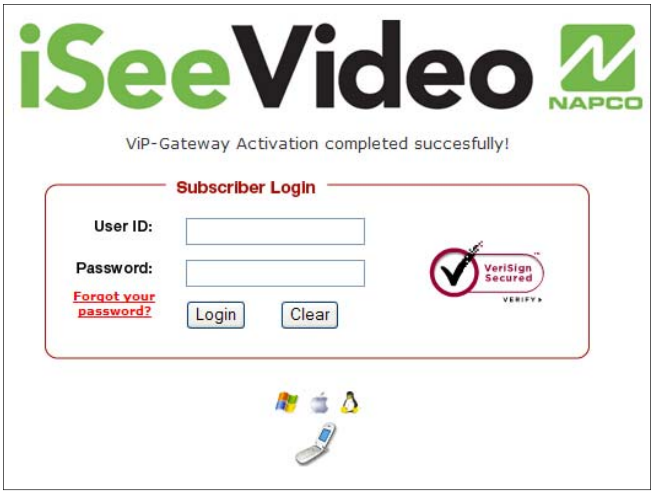
5. The following screen allows the entry of the camera description in the Enter New Device Description field.

Click the pull-down menu and select Add Device to complete the addition of the new camera to the account.

NOTE: If replacing a VIP Device assigned to the account, select from the pull-down menu the device you wish to replace.

Click **Next** ➔ to continue.

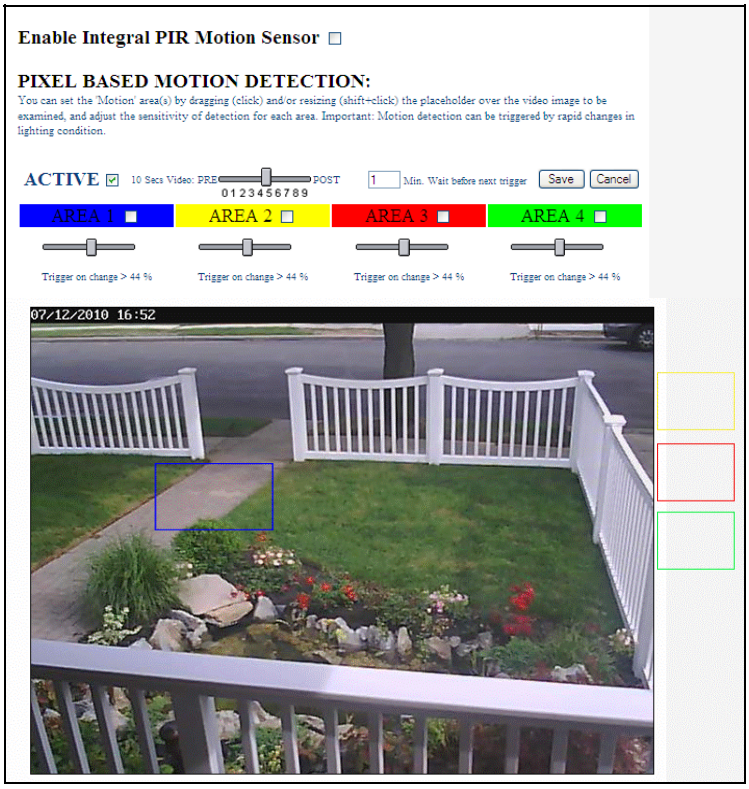
6. When the activation is complete, the log in screen will appear, with the message "VIP Activation completed successfully!"



4 CONFIGURING THE ISV WLOCAM

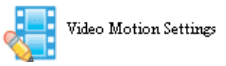
Once the ISV WLOCAM(s) have been and powered up, and the account has been activated, the cameras may be configured. The next several pages will guide you through the on-line configuration process.

Note: If the cameras are only to be used for live viewing and there are no plans to trigger video motion events to the server, configuration is not required.



MOTION DETECTION (OPTIONAL)

The ISV WLOCAM supports both PIR and pixel-based motion detection which allows the camera to send motion triggered video clips to the VideoAlert.net video server upon motion in a selected area.



To configure the camera for motion detection, enter Video Motion Settings mode my clicking the Video Motion icon and the Video Motion Settings screen will appear.

- To enable the PIR Motion Sensor, click the "Enable Integral PIR Motion Sensor" box.
- The enable pixel-based motion detection, click the ACTIVE box. To set a motion detection window, click the colored box on the right and drag the window into the live image.

To set the pixel-based motion detection boxes, simply drag the window to a specific section of the live view screen and size it appropriately by pressing SHIFT and dragging a side of the window. Once the window is properly positioned and sized, the sensitivity threshold can be set by dragging the corresponding threshold slider to the left for more sensitivity and to the right for less. Use the slider control for each respective Area box to adjust the sensitivity of the pixel-based motion detection, with 0% being the highest sensitivity and 100% being the lowest.

For both PIR and pixel-based motion triggering, the camera has the ability to store video recorded before the actual sensing of motion. Use the PRE and POST slider control to adjust the Pre-Capture Length and Post-Capture Length setting, with Pre-Capture Length being the length of video captured *before* the actual sensing of motion and the Post-Capture Length being the length of the video *after* the sensing of motion.

When settings are complete, click the Apply/Save and then click the camera name above the live view to exit.

Note: Pixel-based motion detection analyzes the video and detects changes in the pixel properties. It is important that the detection windows enabled be limited to only areas of anticipated activity. If using motion detection outdoors, changes in pixels may be caused by blowing tree branches, shrubs, sun / shade changes caused by changing cloud cover, etc. To avoid nuisance triggers, exclude these areas of concern from the enabled detection area. *For these outdoor applications, it is recommended that the PIR motion sensor be used.*

Programming Motion Detection Schedules

If desired, the Motion Detection feature may be controlled by schedule, allowing the user to set a specific time and day for motion detection and email triggering. This will prompt the system to capture video clips and send email notifications only if motion detection is sensed during the scheduled time period.

To program schedules, go to the live viewer and click the Advanced Settings icon and the advanced features screen will appear. Turn to page 11.

ADVANCED SETTINGS

To enter Advanced Settings, click the tool icon.

Firmware Version

The firmware version of the camera will display. If there is a new version available, a message will display, along with a button to upgrade to the new version.

Camera Time Zone

Use to set the time zone of the camera.

Enable Time Stamp

To enable a time and date stamp on the live and saved video, click the check box next to Enable Time Stamp.

Enable Text Display

Click the check box next to Enable Text Display and enter the camera name you would like to see on the screen.

Flip Video

Enable to invert video in cases where camera is installed up-side down.

Power Frequency

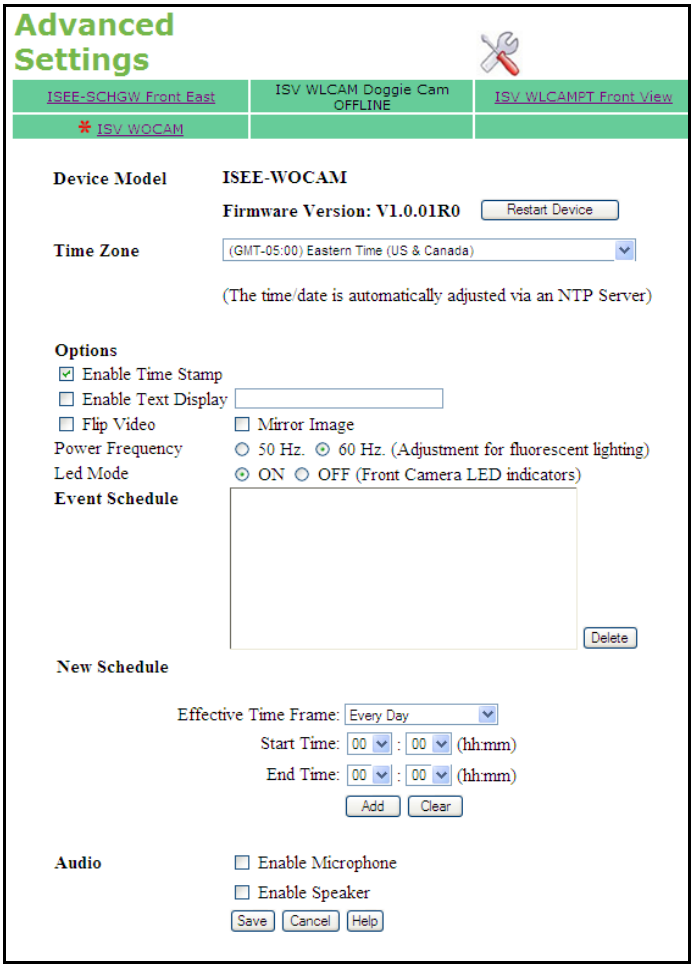
Use to adjust frequency in case where fluorescent lighting is causing flicker.

LED Mode

Use to disable front camera LED indication

Event Schedule

To enable a time schedule for motion detection triggering, select the desired day(s) in the Effective Time Frame window. Click Start Time and End Time to select the start and end time of the motion detection schedule. As schedules are programmed, they will appear in the Event Schedule window.



Audio

Enable Microphone

Enable to activate the microphone on the front of the camera.

Enable Speaker

Enable to activate the speaker on the back of the camera.

Viewing of Stored Video

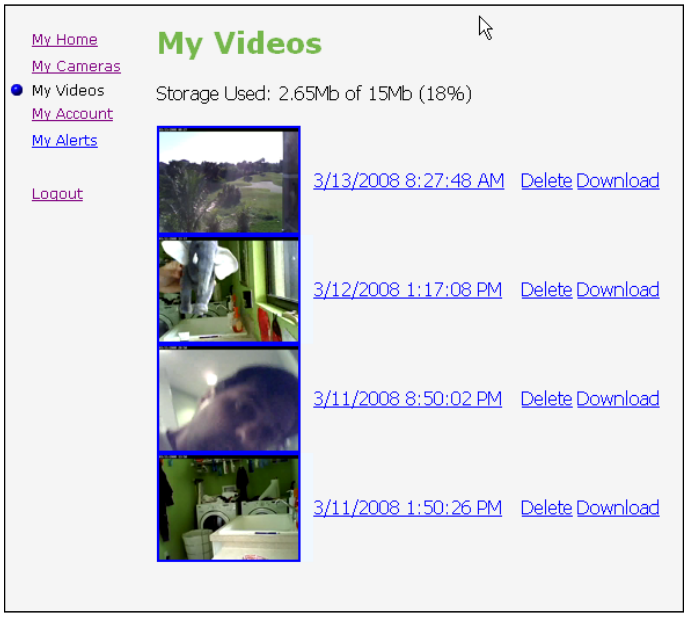
To view stored video clips, click on the My Videos link and the My Videos page will appear.

For each video, a thumbnail image will appear, along with a time and date stamp indicating the time and date of the creation of the file.

The file can be deleted by clicking **Delete** adjacent to the file.

The file can also be saved on the hard drive of the computer being used to view the file by clicking **Download** adjacent to the file.

Once the number of video clips stored in the account reaches the maximum allotted size for the account, each new file stored will result in the automatic deletion of the oldest file.



NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for *twelve months* following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.