ECD-1000 Product Manual

For V1.00.02 Firmware

Ver. 2013/09/24





Legal Notice

Disclaimer

- The information contained in this document is intended for general information purposes. ACTi Corporation shall not be liable for errors contained herein or for incidental or consequential damages arising from the furnishing, performance, or use of this manual.
- The information contained herein is subject to change without notice.
- The English version of this document is the official one for all purpose. All the translated versions are provided as a convenience. Any discrepancies or differences created in the translations of any other languages are not legally binding.

Copyright

Copyright ©2003-2013 ACTi Corporation. All Rights Reserved.

Trademarks

- ACTi Connecting Vision and its logo
 ACTi Connecting Vision and its logo
 Corporation.
- Microsoft[®] and Windows[®] are registered trademarks of Microsoft Corporation.
- All other product or company names mentioned in this document may be trademarks or registered trademarks of their respective owners.



Regulatory Compliance Information

Federal Communications Commission Statement



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses

and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to the equipment that are not expressly approved by the responsible party for compliance could void the user's authority to operate the equipment.

European Community Compliance Statement

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to European Standard EN 55022 and EN 55024. In a domestic environment, this product may cause radio interference in which cause the user be require to take adequate measures.



About This Manual

Target Audience

This manual is intended for **System Administrators** who are responsible for installing and setting up video surveillance system as well as **End Users** who will be operating the Decoder on a daily basis. System Administrators are expected to know the fundamentals of IP surveillance system integration and to own the administrative privileges to install and configure all the devices.

For the latest product updates and documentation, visit our website: http://www.acti.com/product/category/Video_Decoder

Technical Support

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



Table of Contents

Cha	apter 1: Hardware Overview	10
1.1	Introduction	11
	Package Contents	11
	Device Overview	12
	System Requirements	13
	Supported Video Format	13
	Decoding Limitation	14
1.2	Connecting Devices	15
	Connection Architecture	15
	Preparing the Power Adaptor	16
	Connecting to Local Display	17
	Local Display via HDMI Connection	17
	Local Display via Composite Connection	17
	Connecting the Cameras	18
1.3	Accessing the Decoder	19
	Local Client Access	19
	Remote Client Access	19
	Local vs. Remote Access	19
1.4	Device Maintenance	20
	Resetting the Device	20
	Switching Between NTSC and PAL Mode	20
Cha	apter 2: Local Management	21
2.1	Accessing for the First Time	22

Quick Setup		23
Step 1: Log	Jin	23



	Step 2: Change the IP Address (If necessary)23
	Step 3: Add Cameras24
2.2	The Live View Screen27
	The Menu Panel28
	Changing the Layout29
	Viewing Channels in Full Screen
	Viewing Channels by Patrol
	Repositioning Channels
2.3	Accessing the Setup Screen
	The Login Screen
	Using the On-Screen Keyboard33
	The Setup Screen
2.4	Configuring System Settings35
	System Information35
	Date and Time36
	Automatically Set the Date and Time
	Manually Change the Date and Time
	Sync Date and Time with NTP Server
	Language
	Mouse
	Local Display39
2.5	Configuring Network Settings40
	Viewing the Network Information40
	Configuring the Network Connection41
	Setting the IP Address Manually41
	Obtaining the IP Address Automatically42
	Configuring Port Mapping42
2.6	Configuring the Cameras
-	The Camera Setup Screen 43
	Adding Cameras
	Adding Cameras Manually 44
	Searching Cameras to Add
	Searching Cameras 10 Aug



	Modifying Camera Settings	
	Reconnecting Cameras	52
	Deleting Cameras	52
2.7	Managing Network Loss Event	53
	Scheduling Network Loss Trigger	53
	Enabling Beep Sound Trigger	55
	Copying Event Schedule Settings	56
2.8	Rebooting the Device	57
Cha	apter 3: Remote Management	58
3.1	Accessing the Decoder Remotely	
	How to Access the Decoder?	
	Accessing From a Network with DHCP Server	
	Accessing From a Network without DHCP Server	61
	The Login Screen	62
	The Setup Wizard	63
3.2	The Live View Page	
	Viewing the Cameras	68
	Changing the Window Layout	70
	Patrolling Channels	71
	Syncing Remote and Local Live View Display	71
	Reconnecting the Cameras	71
	Removing Video Stream from Live View	72
	Taking Snapshots	72
	Using the Toolbar	72
3.3	The Setup Page	75
3.4	Configuring the System Settings	76
	System Information	76
	Date and Time	77
	Automatically Set the Date and Time	77

	Manually Change the Date and Time	77
	Sync Date and Time with NTP Server	78
	Language	79
	Local Display	80
3.5	Configuring the Network Settings	81
	Viewing the Network Information	81
	Configuring the Network Connection	82
	Setting the IP Address Manually	82
	Obtaining the IP Address Automatically	83
	Configuring Port Mapping	83
3.5	Configuring the Cameras	84
	Adding Cameras	85
	Searching Cameras to Add	
	Adding Cameras Manually	87
	Modifying Camera Settings	90
	Deleting Cameras	92
3.6	Configuring User Access	93
	Creating Groups	93
	Adding Users	95
	Granting Access Permission	96
	Managing Groups and Users	97
3.7	Managing Network Loss	98
	Scheduling Network Loss Trigger	98
	Enabling Beep Sound Trigger	100
	Copying Event Schedule Settings	101
3.8	System Maintenance	102
	Upgrading the Firmware	102
	Saving Backup Settings	103
	Restoring Backed Up Settings	104
	Troubleshooting	104
3.8	Managing the System Log	105
	8	www.acti.com



3.9	Rebooting the Device	105
Cha	apter 4: Installation and Maintenanc	e106
4.1	How to Surface Mount?	106
4.2	How to Use VESA Mount?	107
4.3	How to Use the Pole Mount?	108



Chapter 1: Hardware Overview

This chapter contains the following topics:

- Introduction: Describes the package contents, device overview, and the connection architecture.
- **Connecting Devices**: Describes how to connect the decoder to other devices and how to use the bundled accessories.
- Accessing the Device: Describes the different methods on how to access the device via local display or remote management.



1.1 Introduction

Package Contents

Video Decoder	Screw Packs x 2	Cable Straps
		3
Mounting Bracket	Power Adaptor	Terminal Block
		12V GND
Quick Installation Guide	Warranty Card	
Quick Installation Guide ECO-1000	<section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header>	



Device Overview



Item		Description
1	Power LED	Lights RED when the power is on.
2	System Ready LED / Factory Default LED	 Lights GREEN after the boot up process is complete to indicate the Decoder is ready. When doing a factory reset, this LED lights GREEN briefly to indicate factory default setting restoration has started. The LED turns off and lights up again when the restoration completes and the Decoder is ready for use.
3	Reset Button / NTSC and PAL Switch	Use to restore the Decoder to its factory default setting.Use to switch between NTSC and PAL functions.
4	DC 12V Power	Connects the bundeled power adaptor and terminal block to
	Connector	the Decoder. See <i>Preparing the Power Adaptor</i> on page 16.
5	USB Port	Connects a USB device, such as a mouse, keyboard or hub,



ltem		Description
6	Ethernet Port	Connects to the network using an Ethernet cable.
7	HDMI Port	Connects to an HDMI monitor (1080p) using an HDMI cable.
8	Composite Port	Connects to a composite monitor using a video cable with
		BNC connector.

System Requirements

For remote computer access, the following system requirements must be met to ensure compatibility with the Decoder:

PC Spec	Minimum Requirement
CPU Processor	Intel Core 2 Quad 2.66 GHz or newer
RAM	At least 4GB
Operating System	Windows 7 (32/64-bit), Windows 8 (All versions)
Browser	Internet Explorer 9.0 or 10.0

Supported Video Format

	Local Live View	Remote Live View
Codec	H.264	MPEG4 MJPEG H.264
Resolution	Up to 1920 x 1080 pixels	Up to 2592 x 1944 pixels

The Decoder conforms to the display standard of composite and 1080p HDMI monitors. Therefore, to reserve as much computing power for the Decoder as possible, only up to 2 megapixels H.264 video stream can be displayed on the Local Live View. A black screen with a message will appear for channels using other codecs or those with higher resolution.



Decoding Limitation

Depending on the video stream resolution, the Decoder automatically adjusts the frame rate of the stream in order to achieve smooth video performance as well as support the most number of channels as possible. For example, for 9 channels with 1920 x 1080 resolution, the Decoder automatically switches the frame rate to 12 fps on each camera to display all the 9 channels. Other frames are automatically dropped in the process.

Video Stream Resolution	Number of channels	Framerate
VGA (640 x 480)	9 channels	30 fps
720p	7 channels	30 fps
(1280 x 720)	9 channels	25 fps
1.3M	6 channels	30 fps
(1280 x 1024)	9 channels	20 fps
1080p	4 channels	30 fps
(1920 x 1080)	9 channels	12 fps

NOTE: Regardless of the configured frame rate of a camera video stream, the Decoder automatically adjusts the frame rate according to the table above.



1.2 Connecting Devices

Connection Architecture

The diagram below illustrates a sample connection within a local area network.



Local Area Network Connection Architecture

 Connect the power adaptor to the Decoder and power outlet (see *Preparing the Power Adaptor* on page 16).

NOTE: This step may be skipped if a Power-over-Ethernet (PoE) switch or injector will be connected to the Decoder.

- Connect a monitor to the Decoder via HDMI or Composite port connection (see Connecting to Local Display on page 17).
- 3. Connect a USB mouse.
- Connect the Decoder to a Power-over-Ethernet (PoE) switch or injector.
 NOTE: If using the bundled power adaptor, a non-PoE switch may also be used.
- 5. Connect the cameras to the switch (see *Connecting the Cameras* on page 18).



Preparing the Power Adaptor

In case of using a non-PoE Ethernet switch, use the bundled power adaptor to directly connect the Decoder to a power outlet. The power adaptor must be connected to the supplied terminal block before use.

To do this, follow the procedures below:

1. Loosen the screws of the 12V and GND pins of the power terminal block.



2. Take note that the power adaptor cable has two (2) different wires:



3. Connect the wire with the white stripe to the **12V** pin and the other to the **GND** pin.





4. Tighten the screws of the **12V** pin and the **GND** pins to secure the wire connection.



Connecting to Local Display

The Decoder supports up to two display outputs via HDMI or Composite connection at one time. These display outputs can be referred to as the local display or the local client.

Local Display via HDMI Connection

Connect an HDMI monitor (1080p) to the **HDMI port** of the Decoder using an HDMI cable (not included in the package).

Local Display via Composite Connection

Connect a composite monitor to the **Composite port** of the Decoder using a video cable with BNC connector (not included in the package).



Connecting the Cameras

The Decoder can decode up to 9 IP cameras and display the videos through an HDMI (1080p) or composite monitor or display remotely via PC or a mobile client.

To connect a camera, do the following:

- 1. Connect the camera to a PoE switch, within in the same network segment as the Decoder, using an Ethernet cable.
- 2. Configure the IP address of the camera, if necessary (please refer to the camera hardware manual on how to do this).
- Once ready, access the Decoder user interface to search and finalize the camera connection (see *Quick Setup* on page 23).



1.3 Accessing the Decoder

The Decoder can be accessed in two ways: via Local client or Remote client.

Local Client Access

A monitor that is directly connected to the Decoder via the HDMI or Composite port is considered a **Local Client**. Users can view the videos from the camera and manage network configurations right through the monitor.

To access the Decoder user interface, simply connect a USB mouse and a monitor to the Decoder.

See Chapter 2: Local Management on page 21 for more information.

Remote Client Access

A **Remote Client** is connected over the TCP/IP network and communicates through HTTP protocol. A computer with a web browser or a mobile device with the **Mobile Client** software are considered **Remote Clients**.

On a computer with Internet Explorer, users can access the Decoder web interface by typing the IP address of the Decoder without installing any client program beforehand. Logging in is as simple as visiting a website.

Users can also view the videos using Mobile Client on mobile devices. For more information, please refer to the Mobile Client documentation downloadable from the website (<u>www.acti.com</u>).

Local vs. Remote Access

In most cases, it is recommended to perform the initial configurations, before the Decoder is even mounted to its location, using local access. Once the initial configurations are complete, install the Decoder and start viewing the videos through the local display. Further management or advanced security settings may be done through remote access.



1.4 Device Maintenance

This section describes how to reset the device and switch between NTSC and PAL system.

Resetting the Device

In case there is a need to reset the device to its default factory settings, perform the following:

- 1. With the device powered off, press and hold the **Reset** button with a pointed object (e.g. pen).
- 2. Power on the Decoder, either by connecting the power adaptor or connecting the Decoder to a PoE switch.
- Continue to press the Reset button for 5 seconds or when the Factory Default LED lights green. The Factory Default LED indicates resetting has started. The Factory Default LED lights on and off several times until it completely lights up to indicate reset is complete.

Switching Between NTSC and PAL Mode

When the Decoder is powered on, briefly press the **NTSC and PAL switch** (also the **Reset** button) to switch between NTSC and PAL mode.



Chapter 2: Local Management

This chapter describes the Decoder operation and management on the Local Client side. It contains the following topics:

- Accessing for the First Time: Describes the setup procedures involve when accessing the Decoder for the first time. This includes changing the Decoder IP address and adding the cameras.
- **The Live View Screen**: Describes how to use the Live View screen, changing the layout, channel patrolling and resetting the channel position.
- Accessing the Setup Screen: Describes how to access the Setup menu, using the on-screen keyboard to login, and an overview of the Setup menu.
- **Configuring System Settings**: Describes how to view and modify the system settings such as date and time, language, and how to filter information shown on the local display.
- **Configuring Network Settings**: Describes how to modify the IP configurations, port mapping and other network settings.
- **Configuring the Cameras**: Describes how to add and view the cameras and manage the camera settings.
- **Rebooting the Device**: Describes how to do a system reboot.



2.1 Accessing for the First Time

Once all devices are connected, turn on the monitor to see the Live View screen.

01 Camera	02 Camera	03 Camera
04 Camera	05 Camera	06 Camera
07 Camera	08 Camera 2013/07/22 18:30:27 192.168.0.200	09 Camera

The Decoder comes with a default static IP address of **192.168.0.200**. If your network has a DHCP server, the Decoder will automatically switch the connection type to DHCP and be assigned an IP address.

Use the USB mouse to navigate through the user interface. Move the mouse cursor towards the bottom of the screen to display the **Menu Panel**.

01 Camera	02 Camera	03 Camera			
04 Camera	05 Camera	06 Camera			
07 Camera	08 Camera 2013/07/22 18:29:17 CD1000	09 Camera			
Menu Panel					



Quick Setup

Step 1: Login

- 1. Click to access the **Setup** page.
- 2. When prompted to login, enter the default **Account** and **Password** using the on-screen keyboard.



NOTE: For more information on using the on-screen keyboard, see *Using the On-Screen Keyboard* on page 33.

Step 2: Change the IP Address (If necessary)

If the network has a DHCP server, the Decoder is automatically assigned an IP address so users do not need to change anything. If the network does not have a DHCP server, the Decoder uses its default IP address of **192.168.0.200**.

Change the IP Address on Network without DHCP Server

Remember that the Decoder must be on the same network segment as the cameras. In case you need to change the IP address of the Decoder, follow the procedures below on how to do this.

- 1. Click Network > Network Connection.
- 2. Make sure Connection Type is Manual.



 Change the IP address using the on-screen keyboard (see Using the On-Screen Keyboard on page 33 for information on using the on-screen keyboard).

D System	몶 Network	Camera	© Schedule	A Event	் Power	8
Information Network Connection Port Mapping	LA IP Conf You can If it does	N: Activated iguration obtain an IP address s not, the following s	s automatically if you settings must be spe	ır network includes a cified:	DHCP server.	
		Connection Type	Manual			
		IP Address	192 . 168 .	0.200		
		Subnet Mask Gateway	255 ▼ . 255 ▼ . 192 . 168 .	255 ▼ 0 ▼ 0 .254		
		DNS Setting	Manual			
	F	Primary DNS Server	· · · · ·			
	Sec	ondary DNS Server				
					× s	ave

- 4. Click Save.
- 5. When **LAN** shows "Activated", the IP address configuration is complete.

Step 3: Add Cameras

1. On the **Setup** page, click **Camera > Search**.

System N	晶 Network	Camera	ର୍ର Schedule	▲ Event	ပံ Power	8
01 Camera 02 Camera 03 Camera 04 Camera 05 Camera 06 Camera 07 Camera 08 Camera 09 Camera	Select	ed camera is not ava	ilable.	Basic Name (IP Address (HTTP Port (User Name (Password (Get Camera Settings Camera Setting Camera 80 admin ******	s



2. Click **Search**. Cameras on the same network are displayed.

Search	АСТі	-						
Ac	count Adm	in	Password 🏼	*****			< < 1	/6 >>
Name	Brand	Model	IP Address	Channel ID	Compression	Resolution	Frame Rate	Status
ACTI	ACTi	KCM5211	172.16.26.2	1	MPEG4	1280x720	20	
ACTi	ACTi	KCM5211	172.16.26.2	2	MJPEG	640x480	30	
ACTI	ACTI	KCM3911	172.16.26.3		H264	1280x720	12	
ACTI	ACTi	KCM3911	172.16.26.3	2	MJPEG	1280x720	1	
ACTI	ACTi	D52	172.16.26.4	1	H264	1920x1080	15	
ACTI	ACTi	D52	172.16.26.4	2	H264	1280x720	5	
	ACTI	D52	172.16.26.5					Inaccessible
ACTI	ACTI	E53	172.16.26.6	1	MJPEG	640x480	3	
ACTI	ACTi	E53	172.16.26.6	2	H264	1280x720	5	
ACTI	ACTi	E72	172.16.26.7	1	H264	2048x1536	15	
ACTI	ACTi	E72	172.16.26.7	2	H264	1280x720	5	
	ACTI	E12	172.16.26.9					Inaccessible
ACTI	ACTI	KCM5611	172.16.26.10	1	H264	1920x1080	5	
ACTI	ACTi	E83	172.16.26.11	1	H264	640x480	30	
ACTI	ACTi	E83	172.16.26.11	2 🗙	H264	640x480	5	

- 3. Click a camera model (maximum of 9 cameras). Selected cameras are displayed in orange.
- 4. Click **Add**. The Camera screen appears with the list of the selected cameras on the left panel. In the illustration below, only seven cameras are added.



5. Click stochastic to close the **Setup** screen. The Live View screen appears with the added cameras.





By default, information such as the camera name, IP address, etc. are displayed on the local display. For security purposes, these information may be hidden, see *Local Display* on page 39 for more information.



2.2 The Live View Screen

Different types of information are displayed on the Live View screen.



	ltem	Description
1	Channel Number and	Displays the channel number and camera name.
	Name	
2	Channel IP Address	Displays the IP address of the camera.
3	Warning Message	Displays the warning message:
		 This resolution is not supported: Local display supports camera resolution of up to 1920 x 1080 only. If the resolution exceeds this value, this message is displayed. The compression is not supported: Local display supports H.264 compression only.
4	Event Trigger Icon	Indicates an event has happened, such as motion is detected
		or a digital input is triggered.
5	Connection Error	Indicates the camera is disconnected from the network.
6	System Date and	The system date and time.
	Time	
7	Decoder IP Address	The IP address of the Decoder.



The Menu Panel

Move the mouse cursor towards the bottom of the screen to display the **Menu Panel**. From the Menu Panel, users can modify the channel layout, start viewing channels on patrol, stretch image, reposition the channels, and access the **Setup** screen.



	ltem	Description
1	Layout Icons	Click an icon to change the layout of channels. The current
		layout is indicated by an orange icon. Moving the mouse over
		the icon displays the icon name. See Changing the Layout
		on page 29.
2	Sequence Patrol	Sequence Patrol allows users to view the one or more
		channels at a time and patrols with a specific interval time.
		See Viewing Channels by Patrol on page 30.
3	Stretch / Un-stretch	Click to stretch or un-stretch the video.
	Video	
4	Reset Channel	Click to reposition the channels according to channel
	Position	sequence. See <i>Repositioning Channels</i> on page 31.
5	Setup	Click to access the Setup screen. See 2.3 Accessing the
		Setup Screen on page 32.



Changing the Layout

By default, the local Live View is displayed with a 9-channel layout. The layout can be changed into a 1-channel, 2-channel, 1+7-channel display, etc.



To view succeeding channels, click the layout icon again. For example, if viewing on a

2-channel layout, and you want to view the next 2 channels, click





Viewing Channels in Full Screen

Double-click a channel to view the channel in full screen.



Double-click again to switch back to the previous layout.



Viewing Channels by Patrol

Instead of viewing all 9 channels at the same time, users may want to view one channel in full screen and scroll through all the channels at a time. To do this, follow the procedures below:

- 1. Click to start Sequence Patrol.
- Enter the interval time (in seconds) using the on-screen keyboard (see Using the On-Screen Keyboard on page 33). Then click OK.

- de la construcción de la const		MUN		
3	Second(s)	7	8	9
OK	Cancel	4	5	6
UK	Cancer	1	2	3

3. Sequence Patrol starts. To stop the patrol, click



Repositioning Channels

By default the channels are displayed according to the sequence of the channel numbers. To reposition the channel, use the mouse to drag the channel from its location to another location. See examples below.



Default Channel Position



Repositioned Channels

To reset the default channel position, click 0.





2.3 Accessing the Setup Screen

The **Setup** screen allows users to configure the system and network settings and add or delete cameras for viewing. Users must login with an administrator account first to access the **Setup** screen.

To access the **Setup** screen, click **b** on the menu panel. The Login screen appears.

The Login Screen

When prompted to login, enter the default **Account** and **Password** using the on-screen keyboard.

For security purposes, it is recommended to modify the account name and password through a remote client computer.



	ltem	Description
1	Remember Me	Check to allow the system to remember the account name.
		Users just need to enter the password to login.
2	Remember	Check to allow the system to remember the account password
	Password	so users do not need to type the password anymore. This
		option is shown only if Remember me is checked.
		NOTE: This can be a security risk for any other use may be
		able to access the Setup screen.



Using the On-Screen Keyboard

The on-screen keyboard allows users to enter text without using a physical computer keyboard. The on-screen keyboard appears when users click on fields that require character or numeric input, such as account name, password, etc. Using the mouse, click the keys on the on-screen keyboard to enter characters or numbers.

The type of on-screen keyboard that appears may vary depending on the required text for input.



Standard Alphabet +Symbol Keyboard

Numeric Keyboard

Hint	3-	3600
7	8	9
4	5	6
1	2	3
()	+



NOTE: The on-screen keyboard may also contain tips or hints for input.

The Setup Screen

After a successful login, the Setup screen appears.

1	D System	r Net	品 work	Camera	© Schedule	▲ Event	ပံ Power	8 3
	Information		Inform	ation				
2	Date and Time Language			System Name	ECD			
	Mouse			Firmware	ECD-010-V1.00.02-A	C BLD-V2.12-A		4
	Local Display			Serial Number	ECD1000-A-13F-9903	9		
				Company Name	ACTi Corporation			
				Product ID	ECD1000			
				Channel Number				
	*						S	ive

	ltem	Description
1	Setup Menu	Click a tab to display the submenu.
2	Submenu Panel	Displays the submenu options. Click a submenu to view the
		settings page.
3	Exit	Click to close the Setup screen. Once closed, the system
		automatically logs out the account and the Live View screen is
		displayed.
4	Settings page	Displays the settings and information of a selected submenu.



2.4 Configuring System Settings

System Information

On the Setup screen, click System.

D System	品 Network	Camera	ର୍ତ୍ର Schedule	A Event	ப் Power	8
Information	Inform	ation				
Date and Time Language		System Name	ECD			
Mouse		Firmware	ECD-010-V1.00.02-A	C BLD-V2.12-A		
Local Display		Serial Number	ECD1000-A-13F-9903	39		
		Company Name	ACTi Corporation			
		Product ID	ECD1000			
		Channel Number				
*					2	Save

The system information is displayed.

• System Name: Name assigned to the Decoder; can be modified. To modify the System Name, click the box and use the on-screen keyboard to enter the characters.

NOTE: The system name can be up to 10 alphanumeric characters only.

- Firmware: System firmware version
- Serial Number: Product serial number
- Company Name: Name of the manufacturer
- Product ID: Product model name
- Channel Number: Maximum number of supported cameras.



Date and Time

The Date and Time page allows you to manually change the system date and time or sync with an NTP server.

Automatically Set the Date and Time

Select the time zone to automatically set the date and time.

1. On the **Setup** screen, click **System** > **Date and Time**.

D System	몶 Network	Camera	ର୍ର Schedule	▲ Event	ပံ Power	8		
Information Date and Time Language Mouse	Date a Click t	nd Time he button to change s	2013/09/23	18:16:23				
Local Display	Time Z Select	Cone time zone and config Time Zone	ure daylight saving ti (UTC+08:00) Asia/T. □ Enable Daylight S	i me. aipei aving Time				
	NTP So Synchi	NTP Server Synchronize system time with the NTP server. NTP Server Apply						

- 2. On **Time Zone**, select the desired time zone. The system date and time automatically changes according to the current date and time of the time zone.
- 3. If applicable, check the **Enable Daylight Saving Time** box. Note that this box becomes enabled only if the Daylight saving time can be applied to the selected time zone.

Manually Change the Date and Time

- 1. On the **Setup** screen, click **System** > **Date and Time**.
- 2. Click the system date and time button.

D System	몹 Network	Camera	ର୍ଚ୍ଚ Schedule	▲ Event	ပု Power	8		
Information Date and Time Language Mouse Local Display	Date and Time Click the button to change system time. 2013/09/23 18:16:23 Time Zone Select time zone and configure daylight saving time.							
Time Zone (UTC+08:00) Asia/Talpei □ Enable Daylight Saving Time				aipei aving Time	•			
	NTP Server							
	Syntin	NTP Server			Apply	*		
			2013/0) 8/30 1 1	1:20:46			
------------	--------------	--------	--------	-------------------	---------	-----	----------	---
		C)ate/1	ime S	Settin	g		
1 2ii c	∢ gur	e (Au	gust	•	2013	•	•	2
	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
me 2	29	30	31	1	2	3	4	
	5	6	7	8	9	10	11	
3	12	13	14	15	16	17	18	
	19	20	21	22	23	24	25	
	26	27	28	29	30	31	1	
n tir	2	3	4	5	6	7	8	
4 1	1 -:	20 🔻	: 46	•	ОК		Cancel	

3. Modify the date and time.

	ltem	Description
1	Month and Year	Select the month and year from the box.
2	Scroll Icons	Click to view the calendar of the previous or the next month.
3	Date	Click a date to set the date. Selected date is highlighted in
		orange, while the current date is in yellow.
4	Time	Select the hour, minute, and second from the corresponding
		boxes.

4. When done, click **OK** to save.

Sync Date and Time with NTP Server

- 1. On the **Setup** screen, click **System** > **Date and Time**.
- 2. On NTP Server, type the URL address of the NTP server.

D System	몶 Network	Camera	ର୍ଭ Schedule	▲ Event	ပု Power	8
Information Date and Time Language Mouse Local Display	Date a Click th Time Z	nd Time we button to change s one	ystem time. 2013/09/23	18:16:23		
	Select	time zone and configu	ure daylight saving ti	me.		
		Time Zone	(UTC+08:00) Asia/Ta	aipei aving Time	-	
	NTP Se	rver				
	Synchr	onize system time wi	th the NTP server.			
		NTP Server			Apply	
						×

 Click Apply. A message will appear to confirm if synchronization is successful.
 NOTE: If the NTP Server is a domain name, make sure the IP setting and DNS setting of the system gateway are correct.



To delete NTP Server

To delete an NTP server, delete the URL address on the field and click Apply.

Language

To change the user interface language, click **System** > **Language** on the Setup screen. Then, select the desired language from the box.

L System	Ne	品 twork	Camera	ා Schedule	▲ Event	ပု Power	8
Information Date and Time Language Mouse Local Display		Langua Please	i ge select your language	English	•		
Local Display							
*							

Mouse

Click System > Mouse.

D System	몹 Network	Camera	ର୍ର Schedule	A Event	ن Power	8
Information	Cursor	Speed				
Date and Time Language	Click Di	ittons to adjust mou	se cursor speed.			
Mouse		Slow	50%	Fast		
Local Display				•		

Click "-" to reduce the mouse cursor speed or "+" to increase the speed one notch at a time. Click and hold "-" or "+" to continuously reduce or increase speed.



Local Display

The Local Display allows users to show or hide information, such as the IP address, system date and time, or event trigger icons, on the Live View screen.

On the Setup screen, click System > Local Display.

D System	品 Network	⊡ ∢ Camera	0 Schedule	▲ Event	ပံ Power	8
Information Date and Time Language Mouse Local Display	Display Check t	y Context the information you ☑ Hide m ☑ Show s ☑ Show c ☑ Show c ☑ Show c ☑ Show c ☑ Show c	want to show ouse cursor when the ystem time ystem IP address amera name amera IP address amera event trigger rid line	e system is idle		
ĸ						

By default, all options are enabled. To disable a function, remove the check from its corresponding box.

- Hide mouse cursor when the system is idle: If checked, the mouse cursor is hidden from the Local display if there is no mouse movement within 5 seconds.
- Show system time: If checked, the system date and time is displayed on the bottom of the Live View screen.
- Show system IP address: If checked, the system IP address is displayed on the bottom of the Live View screen.
- Show camera name: If checked, the camera name is displayed on the upper left corner of the channel.
- Show camera IP address: If checked, the camera IP address is displayed on the upper left corner of the channel. For security reasons, it is recommended to uncheck this function to hide the IP address from showing on the local display.
- Show camera event trigger: If checked, an event trigger icon, such as motion detection, will appear on the upper right corner of the channel when an event occurs.
- Show grid line: If checked, the lines separating the camera channels are displayed on the Live View screen.



2.5 Configuring Network Settings

Viewing the Network Information

On the Setup screen, click Network.

D System	品 Network	Camera	ର୍ତ୍ର Schedule	▲ Event	ပု Power	8
Information	Conne	ction Informatio	on			
Network Connection Port Mapping		Hardware Address	00:13:C0:E4:46:21			
		Speed	100 Mbps			
		IP Address	172.16.26.65			
		Subnet Mask	255.255.255.0			
		Gateway	172.16.26.253			
		DNS Setting Primary DNS Server	Auto			
	Se	condary DNS Server	172.16.5.20			

The network information, such as the Hardware Address (MAC address), Speed,

Connection Type, IP Address, Subnet Mask, Gateway, DNS Setting, and Primary and Secondary DNS Server are displayed.



Configuring the Network Connection

Use the **Network Connection** to configure the network settings of the Decoder, which includes setting of the connection type and IP address.

There are two types of connection: Manual and DHCP.

- Manual: The IP address must be assigned manually, so are other network configurations like Subnet Mask, Gateway, etc. Note that the IP address must be unique for each device on the network. By default, the Decoder has a default IP of 192.168.0.200 and subnet mask of 255.255.255.0. Users may need to change the default IP and subnet mask to ensure the Decoder belongs to the same network segment as the cameras.
- DHCP Connection: On a DHCP network, the DHCP server assigns the IP address automatically. By default, the Decoder will automatically switch to DHCP connection mode and be assigned an IP address. However, if this does not happen, users need to manually change the Connection Type to DHCP. See Obtaining the IP Address Automatically on page 42.

□ System	몶 Network	Camera	ର୍ତ୍ର Schedule	▲ Event	ن Power	8
Information Network Connection Port Mapping	IP Con You car If it doo	AN: Activated figuration obtain an IP address as not, the following s	s automatically if you settings must be spe	ır network includes a cified:	DHCP server.	
		Connection Type	Manual -			
		IP Address Subnet Mask	192 . 168 . 255 • . 255 • .	0 . 200 255 • 0 •		
		Gateway	192 . 168 .	0.254		
		DNS Setting	Manual			
		Primary DNS Server	·			
	Se	condary DNS Server				
					× sa	ive

Setting the IP Address Manually

If your network does not have a DHCP server, perform the following to manually configure the network settings:

- 1. On the **Setup** screen, click **Network > Network Connection**.
- 2. On Connection Type, select Manual.
- Obtain the information from your network service provider and enter the IP Address, Subnet Mask, and other necessary settings.

NOTE: The IP Address and Subnet Mask must be filled in. Other settings may be left blank if not required by the network service.

4. When done, click **Save**.



Obtaining the IP Address Automatically

If your network has a DHCP server, the Decoder will automatically be assigned an IP address. However, in case the Decoder does not detect the DHCP connection, perform the following procedures to obtain the IP address:

- 1. On the **Setup** screen, click **Network** > **Network Connection**.
- 2. On Connection Type, select DHCP.

Information Information Network Connection Port Mapping You can obtain an IP address automatically if your network I If it does not, the following settings must be specified: Connection Type DNS Setting Auto	ncludes a DHCP serve	
Connection Type DHCP • DNS Setting Auto •		r.

- 3. Leave the default DNS Setting as "Auto".
- 4. Click Save. Connection is complete when LAN shows "Activated".

Configuring Port Mapping

By default, the Decoder port number is 80. To change this value, click **Network** > **Port Mapping** on the Setup screen.

□ System	몹 Network	Camera	© Schedule	▲ Event	ပု Power	8
Information Network Connection	HTTP P Please	' ort set your HTTP port f	or remote clients and	l commands.		
Port Mapping			80			
×						
					Sa	ive



2.6 Configuring the Cameras

The Camera Setup Screen

On the Setup screen, click Camera.

System	晶 Network	Camera	ର୍ଭ Schedule	▲ Event	ل Power	8	
01 Camera 02 Camera 03 Camera 04 Camera 05 Camera 06 Camera 07 Camera 08 Camera 09 Camera 2	Selec	h Reconne	allable.	All Basic Name (IP Address (HTTP Port (User Name (Password (Get Camera Setting Camera Setting Camera 80 admin ******	s	- 3

	ltem	Description
1	Camera List Panel	Displays the camera name. Click a channel to view its display
		and settings.
2	Display Window	Displays the current live view of the selected camera.
3	Camera Properties	 Displays the camera connection and streaming properties. It has two page tabs: Basic: Displays the connection properties, such as the IP address, HTTP port, User Name (account) and Password used to access the camera. You can also use this page to manually add a camera by entering these properties. See <i>Adding Cameras</i> on page 44. Camera Settings: Displays the camera video streaming properties, such as Channel ID, Resolution, Encoder, etc. These properties can be modified on the Decoder and will also take effect on the camera side. See <i>Modifying Camera Settings</i> on page 49.



Adding Cameras

There are two ways to add cameras for viewing: by manually entering the IP address of the camera or by searching the cameras on the network.

Adding Cameras Manually

To add cameras manually, you need to know the IP address, HTTP port, User Name and Password of the camera you want to connect to.

- 1. On the **Setup** screen, click **Camera**.
- On Name, type a name you want to use to identify the camera (maximum of 24 alphanumeric characters, no spaces nor symbols). This name is saved only on the Decoder and does not affect the settings on the camera side.
- 3. Enter the **IP Address**, **HTTP Port**, **User Name** and **Password** of the camera you want to connect to.

Camera Settings								
My Camera								
172.16.26.171								
80								
admin								

4. Click **Get Camera Settings**. The decoder connects and retrieves the camera settings. At this point, nothing is shown on the Display window yet.

D System	晶 Network	Camera	ର୍ଚ୍ଚ Schedule	▲ Event	ပံ Power	8
01 Camera 02 ACTi 03 ACTi 04 ACTi 05 ACTi 06 ACTi 07 ACTi 08 ACTi 09 Camera	Searc	h Reconne	ct All Delete	All Basic Name (IP Address (HTTP Port (User Name (Password (Get Camera Settings Camera Setting My Camera 172.16.26.171 80 admin ******	



5. Click Save.

□ System	Netv	vork	☐ Camera	Schedule	e Event	ථ Power	8
01 Camera		Searc	h Reconne	ct All D	elete All	Get Camera Settings	
02 ACTi					Basic	Camera Setting	5
03 ACTi 04 ACTi					Name	My Camera	
05 ACTi					IP Address	172.16.26.171	
06 ACTi 07 ACTi					HTTP Port	80	
08 ACTI					User Name	admin	
09 Camera					Password	*****	
					Brand	ACTI	
					Model	D55	
					Serial Number	D55A-XX-13A-00059	
					Dupli	cate Delete Sa	ve
		×					

Once camera settings are saved, the camera Live View is shown on the Display window.



TIP: Use the **Duplicate** button to add another camera with almost similar camera settings to another channel.



Duplicating Cameras

Use this function to add another camera with almost the same camera settings as the selected camera. So instead of entering all the information one by one, duplicate the camera settings first and then modify afterwards. However, to use this function, there must be at least one available channel without a connected camera.

1. On the **Camera** screen, select the camera you want to duplicate on the **Camera List** panel, and then click **Duplicate**.

Duplicate Camera											
Copy From											
☑ 05 ACTi											
То											
🗹 07 Camera											
🗆 08 Camera											
🗆 09 Camera											
Duplicate Cancel											

- 2. Available channels are shown under **To**. Check the box(es) of the channel(s) to copy the camera settings to.
- 3. Click Duplicate.



Searching Cameras to Add

If you do not know the IP address of the camera or you want to add several cameras at the same time, you can search the cameras connected to the network and choose up to 9 cameras to connect to the Decoder.

1. On the **Setup** screen, click **Camera**.

D System	晶 Network	Camera	ର୍ଚ୍ଚ Schedule	A Event	ن Power	8
01 Camera 02 ACTi 03 ACTi 04 ACTi 05 ACTi 06 ACTi 07 ACTi 08 ACTi 09 Camera	Searc	h Reconne	silable.	All Basic Name (IP Address (HTTP Port (User Name (Password (Get Camera Settings Camera Settings My Camera 172.16.26.171 30 admin ******	

- 2. Click Search. The Search Cameras screen appears.
- The default Account "Admin" and Password "123456" are pre-entered. If the camera you
 want to add has different account and password, enter them on the Account and
 Password fields.

Search Cameras													
Sear	ch 💦 A	СТі	-										
	Account A	dmin			<< < / > > >								
Name	Bra	nd	Model	del IP Address Channel ID Co			Resolution	Frame Rate	Status				
									_				
0 camer	a(s) found.	Support	s 0/9										
									Cance				



Search	АСТі	-						
Ac	count Admir	1	Password	****			<< < 1 •	/6 >>
Name	Brand	Model	IP Address	Channel ID	Compression	Resolution	Frame Rate	Status
ACTI	ACTI	KCM5211	172.16.26.2	1	MPEG4	1280x720	20	
ACTI	ACTI	KCM5211	172.16.26.2	2	MJPEG	640x480	30	
ACTI	ACTI	KCM3911	172.16.26.3			1280x720		
ACTI	ACTI	KCM3911	172.16.26.3	2	MJPEG	1280x720	1	
ACTI	ACTI	D52	172.16.26.4	1	H264	1920x1080	15	
ACTI	ACTI	D52	172.16.26.4	2	H264	1280x720	5	
	ACTI	D52	172.16.26.5					Inaccessible
ACTI	ACTI	E53	172.16.26.6	1	MJPEG	640x480	3	
ACTI	ACTI	E53	172.16.26.6	2	H264	1280x720	5	
ACTI	ACTI	E72	172.16.26.7	1	H264	2048x1536	15	
ACTI	ACTI	E72	172.16.26.7	2	H264	1280x720	5	
	ACTI	E12	172.16.26.9					Inaccessible
ACTI	ACTI	KCM5611	172.16.26.10	1	H264	1920x1080	5	
ACTI	ACTI	E83	172.16.26.11	1	H264	640x480	30	
ACTI	ACTI	E83	172.16.26.11	2 🗙	H264	640x480	5	

4. Click Search. The cameras connected in the network are listed on the table.

5. Click on a camera to select it. You can select up to 9 cameras. Selected cameras appear in orange text.

NOTE: The Status column shows the status of the camera:

- Inaccessible: The camera account or password may be different from what you have entered on Account and Password fields. So that camera cannot be accessed.
- In Use: The camera is already added to the Decoder for live viewing.
- 6. Click **Add** to add the selected cameras to the Decoder for live viewing. The cameras are then displayed on the **Camera List** panel.



7. Click science of the Setup screen. The Live View screen displays the live view of the selected cameras.



Modifying Camera Settings

In some cases, you may need to modify the camera connection and streaming properties. To do this, follow the procedures below:

- 1. On the Setup screen, click Camera.
- 2. Select the camera from the **Camera List** panel.
- 3. Click Get Camera Settings.

System	몶 Network	Camera	ର୍ତ୍ର Schedule	▲ Event	ပံ Power	8
01 ACTI 02 ACTI	Searc	h Reconne	ct All Delete	All	Get Camera Settings	
03 ACTI 04 ACTI				Basic Name	Camera Setting	s
05 ACTI 06 ACTI				IP Address	172.16.26.5	
07 ACTi 08 Camera				User Name	Admin	
09 Califera				Password Brand	****** ACTi	
				Model (Firmware (KCM8111 A1D-311-V5.11.07-AC	
				Serial Number	KCM8111-12K-X-00009	
				Duplicat	e Delete Sa	ave

4. To modify the connection properties, click the Basic tab. Modify the Name, IP Address, HTTP Port (port used by remote IE clients), User Name and Password, as needed. NOTE: The Name is the camera name displayed on the Decoder. This name is not saved or shown on the camera side. The maximum length is 24 alphanumeric characters, symbols are not allowed. In case of a space in between the characters, the Decoder

automatically removes that space.



5. To modify streaming properties, click the **Camera Settings** tab, and modify the settings, as needed.



ltem	Description
Stream Mode	Displays whether the camera has Single or Dual stream mode.
	This field is not editable.
Channel ID	For dual stream cameras, select the stream to view. Usually,
	stream 1 or Channel ID 1 is configured to be the best quality
	stream for Network Video Recorder (NVR) recording purposes
	and stream 2 or Channel ID 2 with basic quality for live viewing
	on the NVR and the Decoder. Once the Channel ID is selected,
	the succeeding camera properties, such as encoder, resolution,
	etc., change according to the compression settings of the
	selected stream.
Protocol	Displays the video stream protocol. You can modify the video
	stream protocol, as needed.
Encoder	Displays the video stream encoder type. You can modify the
	encoder type for the current stream, as needed. Note that for
	local viewing, only H.264 is supported.
Resolution	Displays the video stream resolution. You can modify the
	resolution, as needed. Note that for local viewing, only up to 2
	megapixel (1920 x 1080) is supported.
Frame Rate	This is the amount of frame per second of the video stream. You
	can modify the frame rate, as needed.
Max Bitrate	Defines the upper limit of the bitrate. The bitrate will be floating
(only for H.264)	slightly under that limit. For example, if the limit is set as 2M, the
	bitrate will be floating around 1.6~2.0 Mbps.



ltem	Description
	If the Max Bitrate is "Unlimited", then the Bitrate selection box
	will appear that defines the bit rate level.
	When Max Bitrate is "Unlimited", the user can define the
	AVERAGE bit rate. For example, if the Bitrate is 2M, then
	occasionally, the actual bit rate may go below or beyond 2M, but
Bitrate	in the long run, the average bit rate will be very close to 2M.
	This mode allows the most accurate storage estimations,
	however, while planning the bandwidth, please consider the
	occasional peaks of bit rate.
	The user can define the quality with the numeric scale from 1 to
	100. The default MJPEG quality is 60. The higher is the quality
Video Quality	level, the more bit rate the camera will use to achieve the target
	quality. However, note that local Live View cannot display
	streams other than H.264.

6. When done, click **Save**. The camera properties are saved and the Decoder restarts the connection.



Reconnecting Cameras

If there is a need to refresh the camera connection, click **Reconnect All**. All the cameras will be reconnected.



NOTE: All video streams will be lost for a few seconds until the reconnection is finished.

Deleting Cameras

Cameras can be removed one at a time or all cameras at the same time.

On the **Setup** screen, click **Camera**.



- To remove a camera, click the camera from the **Camera List** panel, and then click **Delete**.
- To remove all the cameras at the same time, click **Delete All**.



2.7 Managing Network Loss Event

When a camera suddenly disconnects from the network, the Decoder will trigger a network loss notification icon on the Live View window and will beep.

By default, the trigger is enabled for 24 hours a day and 7 days a week. However, the beep sound must be enabled and configured separately.

Scheduling Network Loss Trigger

- 1. On the Setup screen, click Schedule.
- 2. Select the camera from the camera list panel.



	Item	Description
1	Event Handling	• Event Handling: Enables event trigger.
	Schedule	No Event Handling: Disables event trigger.
2	Time Table	Shows green cell if event trigger is enabled and gray cell if
		event trigger is disabled.

3. Select either Event Handling or No Event Handling.

D System	品 Network	Carr	Camera				© Schedule			▲ Event						ပု Power					8			
01 Camera 02 ACTi	Event I	Handling	g Scl	ned	ule																			
03 ACTi 04 ACTi			Ever	nt Ha	indli	ng							N	lo E	Evei		lan	dlir	ng					
05 ACTI		0	12	2 3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19 2	02	1 22	23	
06 ACTI 07 ACTI		Mon Tue	••••	•••	•••	:																		
08 ACTi		Wed		-		-																		
09 Camera		Fri	••••	• • • •	•••																			
		Sun																						
×																								
																				Сор	у		Sa	ve

4. Drag the mouse over the time table to select the day and time period.

5. When done, click **Save**.

TIP: Instead of manually modifying the event trigger on all cameras, users can copy the schedule to other channels. See *Copying Event Schedule Settings* on page 56.



Enabling Beep Sound Trigger

To enable the beep sound when a camera is disconnected from the network, do the following:

- 1. On the Setup screen, click Event.
- 2. Click Network Loss, and then click Set.

☐ System	品 Network	Camera	Schedule	A Event	ပု Power	8
01 Camera	Eve	it Handling List				
03 ACTi 04 ACTi		Event		Response		
05 ACTi 06 ACTi	L	Network Loss				
07 ACTi 08 ACTi						
09 Camera						
				*		
				Set Copy	Clear	ive

3. Check **Beep** to enable the beep sound.

	Веер	
🗹 Enable		
Duration	1	Second(s)
Times	3	
	01	KCancel

- 4. Set the beep duration and the number of beeps to sound when the event is triggered.
- 5. Click OK.

□ System	몹 Network	Camera	Schedule	A Event	ሪ Power	8
01 Camera 02 ACTi	Eve	nt Handling Lis	t			
03 АСТі	1	Event		Response		
04 ACTi		Network Loss	<beep></beep>			
05 ACTI						
09 Camera						
				×		
				Contract Contract		
				Set	Clear	ave

6. Click **Save** to save the configurations. The Decoder will demonstrate and emit the beep sound as configured.



Copying Event Schedule Settings

Instead of manually modifying the event schedule and beep settings on all cameras one by one, users can copy the settings to other channels.

1. After setting the event schedule or beep settings, click **Copy**. The **Copy Schedule** window appears.

Copy Schedule
Copy From
🗹 01 Camera
То
☑ 02 ACTI
🗹 03 ACTi
☑ 04 ACTi
🗹 05 ACTi
🗹 06 ACTi
☑ 07 ACTi
☑ 08 ACTi
Copy

- 2. Check to select the camera(s) under To.
- 3. Click **Copy**. The current camera event schedule or beep settings will be copied to the selected camera(s) under **To**.
- 4. A message appears when copy is complete. Click **OK** to close the window.



2.8 Rebooting the Device

System	몶 Network	Camera	ର୍ର Schedule	▲ Event	ပုံ Power	8
	Reboot					
	This devi	ice is going to restar	t, please wait a few s	econds.		
			C Reboot			

- 1. On the **Setup** screen, click **Power**.
- 2. Click Reboot.
- 3. When the confirmation message appears, click **OK** to restart.

NOTE: All video streams will be lost for a few seconds until the Decoder completes the reboot process.



Chapter 3: Remote Management

This chapter describes the Decoder operation and management on a Remote Client side. It contains the following topics:

- Accessing the Device: Describes the setup procedures involve when accessing the Decoder for the first time through a computer on the network. This includes changing the Decoder IP address and adding the cameras.
- **The Live View Screen**: Describes how to use the Live View screen, changing the layout, channel patrolling, resetting the channel position, and syncing local and remote display layout.
- Accessing the Setup Screen: Provides an overview of the Setup menu.
- **Configuring System Settings**: Describes how to view and modify the system settings such as date and time, language, and how to filter information shown on the local display.
- **Configuring Network Settings**: Describes how to modify the IP configurations, port mapping and other network settings.
- **Configuring the Cameras**: Describes how to add and view the cameras and manage the camera settings.
- **Configuring User Access**: Describes how to add groups and users who can access the Setup screen and limit the type of access granted to each group.
- Viewing the System Log: Describes the information shown on the System Log screen.
- Rebooting the Device: Describes how to do a system reboot.



3.1 Accessing the Decoder Remotely

In most cases, it is recommended to perform the initial configurations, before the Decoder is even mounted to its location, using local access. This is because of the limitation of the Decoder to decode some video resolution and compression. If monitoring will be mainly done on a local display, it is recommended to directly test and view the camera live view on the local display to ensure the video stream properties are supported for local display. Note that streams higher than 2 Megapixels (MP) or encoder other than H.264 can be properly viewed on a remote client (i.e. Web Client) but cannot be viewed on the local display. After the initial configurations and installation, further management or advanced security settings may be done through remote access by a client computer with web browser (supports Internet Explorer only).

How to Access the Decoder?

Accessing From a Network with DHCP Server

If the network has a DHCP server, the DHCP server automatically assigns the IP address to the Decoder. There are several ways to access the Decoder, options are:

• From Windows, click **Start** > **Computer** > **Network**. Double-click on the Decoder model to open the user interface on the web browser.

					x
G ⊂ • Network →		▼ 49	Search Ne	etwork	Q
File Edit View Tools Help					
Organize Search Active Directory	Network and Sharing Center »		***		(?)
 ★ Favorites ■ Desktop ➡ Downloads ③ Recent Places 	 				*
🕽 Libraries	E72A-XX-13D-00166 E73A-XX-13A-00071 E73A-XX-13A-00073 E73A-XX-13A-00073				
p Computer	E73A-XX-13A-00077				
Network	III E96A-XX-13H-00026 III ECD1000-ECD III ENR1200-ENR III ENR1200-ENR1]		•
124 items					

NOTE: Set the computer default web browser to Internet Explorer to use this feature.



• From IP Utility (downloaded from the website <u>www.acti.com</u>), click the IP address of the Decoder to open the user interface on the web browser.

IP_Utility	_					
			IP Address / NetMask 1	72.16.26.172 / 255.255.255.0 🔹	Basic Search	•
	Refres	h Device Setting	s Change Network Ad	ddress Firmware Upgrade	Config. Backup Cor	fig. Restore Reset
				1 1		
Total: 57	Account	admin Po	assword 123456			
	IP Address	MAC Address	FW Version	Model	Serial No.	Multicast IP
	172.16.26.47	00:0F:7C:07:DE:66	A1D-311-V5.10.02-AC	Hemispheric Camera	KCM3911-12A-X-00312	228.5.6.1 🔺
	172.16.26.49	00:0F:7C:04:6A:1B	A1D-310-V4.12.09-AC	Megapixel IP Dome	TCM3411-10D-X-00061	228.5.6.1
	172.16.26.53	00:13:C0:E4:46:21	ECD-010-V1.99.05-AC	9 CH Embedded Camera Decoder-E	ECD1000-A-13F-99039	
	172.16.26.54	00:0F:7C:0A:7C:D4	A1D-500-V6.04.15-AC	Megapixel IP Camera	D41A-XX-13C-00004	228.5.6.1
	172.16.26.56	00:0F:7C:0A:A1:4B	ENR-010-V4.99.09-AC	16 CH Embedded NVR-ENR1200	ENR1200-A-13D-00006	
	172.16.26.59	00:0F:7C:07:45:7B	A1D-311-V5.09.09-AC	Megapixel IP Dome	KCM7111-11H-X-00206	228.5.6.1
	172.16.26.67	00:0F:7C:08:1F:B1	A1D-310-V4.12.09-AC	IP Speed Dome	TCM6630-12C-X-00037	228.5.6.1
	172.16.26.70	00:0F:7C:08:EE:C1	A1D-500-V6.04.15-AC	Megapixel IP Dome	D51A-02-12H-00010	228.5.6.1
	172.16.26.74	00:0F:7C:0A:A1:7B	A1D-311-V5.11.07-AC	Megapixel IP PTZ Camera	KCM8211-13D-X-00029	228.5.6.1
Add / Remove D	levice	Http F	Port	Add Remove)	
•						4

• If you already know the IP address of the Decoder, open the web browser and directly type the IP address on the address bar.



TIP: The quickest way to know the IP address of the Decoder is to check the local display. The IP address is shown on the bottom of the Live View screen.



Accessing From a Network without DHCP Server

The default IP address of the Decoder is **192.168.0.200**. If the network does not have a DHCP server, then this is the IP address of the Decoder, whereas the default port number is **80**. Take note that the computer must be within the same network segment. For example, the computer must have an IP address of 192.168.0.**X** (where **X** is any number between 1 ~ 255, except 200) and Subnet Mask of 255.255.255.0.

For example, based on Windows 7, configure the IP address to **192.168.0.99** and set Subnet Mask to **255.255.255.0** by using the steps below:



To access the Decoder, open the web browser and type the default IP address on the address bar:

192.168.0.200





The Login Screen

When logging in for the first time or after a firmware upgrade, users will be prompted to install required ActiveX components. Follow the on-screen instructions to install the ActiveX components.

When prompted to login, enter the default **Account** and **Password** and click **Login**.

Account: admin	
Password: 123456	

For security purposes, it is recommended to modify the password in the Setup Wizard or see **3.6** *Configuring User Access* on page 93.

Co	nnect Vision	
Account	admin	
Password	••••	
Language	English -	
	Remember me	
	Auto login	
	Login	

	ltem	
1	Language	The default user interface language is English. To change the
		language, select the preferred language from the box.
2	Remember Me	Check to allow the system to remember the account name.
		Users just need to enter the password to login.
3	Auto Login	Check to skip the login page and go directly to the Live View
		page every time the user logs in from the current computer.
		This feature takes effect on the succeeding log in.
		NOTE: This can be a security risk for any other user will be
		able to access the Decoder.



The Setup Wizard

When accessing the Decoder for the first time on a client computer, the **Setup Wizard** appears to facilitate easy camera connection. All settings can still be modified in the **Setup** page.

1. Click Next.



- 2. Set the date and time by one of the following options:
 - Select the Time Zone.
 - Sync with an NTP Server.
 - Click the **Local Sync** button to sync with the client computer date and time.
 - Click the **Date and Time** button to set the date and time manually.

intro Date and Time User Carnera	e Done
Time Zone	(UTC+08:00) Asia/Taipei •
Date and Time	2013/09/11 11:49:15
Daylight Saving	Enable
NTP Server	Apply
	Local Sync Date and Time Previous Next

3. Click **Next** to continue.



 The default User is "admin" and the Password is "123456". To modify the password, click Edit. Or, click Next to continue.

intro [) 😑 👄 👄 Ə Date and Time	User Camera Done		٦
	Name	Group		
	admin	Administrator	Edit	
				- 1
				_
			Add User Previous N	Vext

5. Click **Search** to search for cameras.

II Search Search Search Status	Sauch Sauch Aldress Channel ID Encoder Resolution Frame Rate Status	Sarch	Search Search Brand Meder Resolution Frame Rate Status	Account	adr	nin	_		Password	••	••••	Supports 0/9
				ACTi Name	Brand	Search	ID A Idress	Channel ID	Encoder	Resolution	Frame Rate	Status
				nume	brund		Turcaa	Chumerno	Lincouci	Resolution	Traine Rate	Sutus

6. The list of cameras connected on the network appears. Click on a camera to select it. You can select up to 9 cameras to add. Selected cameras are highlighted in orange.

Account	ac	dmin			Password	•		
ACTi	-	Search					77 camera(s)	found. Supports 1/9
Name	Brand	Model	IP Address	 Channel ID 	Encoder	Resolution	Frame Rate	Status
	ACTi	D42	172.16.26.2					Inaccessible
ACTi	ACTi	D32	172.16.26.3	1	H264	N1280x720	30	
ACTi	ACTi	D32	172.16.26.3	2	H264	N1280x720	5	
ACTi	ACTi	D61	172.16.26.4	1	H264	N1280x720	30	
ACT	ACT	D61	179.46.96.4	2	LIDEA	NG40+490	£	
ACTi	ACTi	KCM8111	172.16.26.5	1	H264	N1920x1080	15	
ACTI	ACTI	E53	1/2.16.26.6	1	H264	N1280x720	30	
ACTi	ACTi	E53	172.16.26.6	2	H264	N1280x720	5	
ACTi	ACTi	KCM5611	172.16.26.7	1	H264	N1280x720	8	
ACTi	ACTi	KCM7311	172.16.26.12	1	H264	N1280x720	30	
ACTi	ACTi	KCM5211	172.16.26.13	1	H264	N1280x720	30	
ACTi	ACTi	E13	172.16.26.14	1	H264	N1280x720	30	



- 7. Click Next to continue.
- 8. Click **Done** to close the wizard.





3.2 The Live View Page



	ltem		Description
1	Camera List		Displays the channel number and camera name of the
			cameras connected to the Decoder. Drag a channel to
			a window on the Live View display area to view the
			video stream. Or, double-click All Cameras to
			automatically view all cameras on the list to the Live
			View display area. See Viewing the Cameras on
			page 68.
2	Event List		Displays connection and event notifications.
		ø	Indicates the camera has been connected.
		,Co"	Indicates the camera is disconnected.
		¢.	Indicates motion is detected. The number indicates the
			area where motion is detected.
3	Layout Icons		Click an icon to change the layout of channels. The
			current layout is indicated by an orange icon. Moving
			the mouse over the icon displays the icon name. See
			Changing the Window Layout on page 70.
4	4 Viewing Icons		Use for managing the sequence patrol. See Patrolling
			Channels on page 71.
		3	By default, the sequence patrol interval time is 3
			seconds. To modify, type the desired interval time on
			this field.

ECD-1000 Product Manual



	ltem		Description
4		G	Click to start / stop sequence patrol.
	Ľ	1/1 ▶	The number indicates the current page view over the
			total number of pages that can be viewed. Click the left
			or right arrow to go back or go to the next page
			manually.
5	Sync Icons		Use to sync the remote display to the local display or
			vise versa.
		Ð	Click to sync the remote display according to the local
			client display.
		5	Click to sync the local display according to the remote
			client display.
6	Page Tabs		Click a tab to view the page.
7	Toolbar		Click a menu to access the submenu options. See
			Using the Toolbar on page 72.
	Application		Allows users to display or hide the video title bar,
			disconnect channels, decode I-frame, or logout.
	Camera List		Allows users to display or hide camera details, such as
			resolution, IP address, etc., to be shown on the
			Camera List.
	Hide Toolbar		Click to hide the toolbar. Press the ESC key to display
			the toolbar again.
	Help		Click to access the help tools on the website.
	About		Click to view the firmware version.
	System Date and Time	e	The system date and time. Click the date and time to
			access the Date and Time menu.



Viewing the Cameras

There are several ways to view cameras on the Live View page.

• Drag a camera from the list to a window to view it on the Live view display area.



• Double-click a camera from the list to view it on the next available window.



• Double-click All Cameras to view all cameras on the Live View display area.

NOTE: The Decoder does not save the displayed channel settings; so every time users access the Decoder, the Live View display area is empty and cameras must be added to the Live View display area again.



Viewing Channels in Full Screen

Double-click a channel to view the channel in full screen.



Double-click again to switch back to the previous layout.



Zooming In

To zoom in on an area, click and drag the mouse to box the area to magnify.





The red box indicates the area that is zoomed in.

The whole camera view is shown on the lower right corner and the zoomed area is indicated by a red box.



Changing the Window Layout

By default, the Live View is displayed with a 9-channel layout. The layout can be changed into a 1-channel, 2-channel, 1+7-channel display, etc.



To view succeeding channels, use the *use* icon. For example, if viewing on a 2-channel layout, and you want to view the next 2 channels, click **I**. Or, click on the number and select the page to view.



Patrolling Channels

Instead of viewing all 9 channels at the same time, users may want to view one channel in full screen or two channels at a time and scroll through all the channels alternately. To do this, follow the procedures below:

- 1. Select the desired window layout for patrolling (i.e. Layout 1 for full screen or Layout 2 for two channels at a time, etc.).
- 2. Click U to start Sequence Patrol.
- 3. By default, 3 seconds is the interval between changing one screen to another. If necessary, type a different number to modify the interval time.
- 4. Sequence Patrol starts. To stop the patrol, click 💟 again.

Syncing Remote and Local Live View Display

The displayed cameras and window layout on the remote client and local client can be synced.

- Click Story to sync the Live View based on the local client display. So instead of dragging the camera to a window on the Live View display area every time the user access the Decoder, click Story to simply view the cameras as how users will see it on the local client display.
- Click 🖸 to sync the local Live View based on the current remote client display.

Reconnecting the Cameras

If there is a need to refresh the camera connection, right-click on the live view window of the camera, and click **Reconnect**.

C Reconnect	
Disconnect	
🛅 Snapshot	

NOTE: All video streams will be lost for a few seconds until the reconnection is finished.



Removing Video Stream from Live View

To remove the video stream from showing on the Live View, right-click on the window of the camera, and click **Disconnect**.



Reconnect

Disconnect

Taking Snapshots

To take snapshots from the live video stream, perform the following:

- Right-click on the window of the camera, and click **Snapshot**. The snapshot is saved on the clipboard.
- 2. Open a graphics utility software (i.e. Paint).
- 3. Press [Ctrl] + V to paste the snapshot.
- 4. Save the snapshot as a new file.

Using the Toolbar

Click a menu and submenu option to use its function. The function is applied to all the cameras in the Live View.

Application Menu

• Video Title Bar: Click to hide or display the video title bar on top of every channel window. The bar contains the camera name and the system date and time.



C Reconnect	
Disconnect	
🛅 Snapshot	


• Stretch / Un-stretch Video: Select to stretch or un-stretch the video display.



Stretched Video





- **Disconnect All Channels**: Select to disconnect all channels from the Live View display window. When disconnected, the Live View window will be blank but the cameras will still be listed on the camera list panel.
- Decode I-frame / Auto Drop Frame: Select Decode I-frame to save computing power. With this function, the Decoder decodes only the I-frames, so the frame rate of each channel becomes 1 fps. This function is useful when using a computer which is also used for other applications.

When **Decode I-frame** is selected, the selection toggles to **Auto Drop Frame**. By default, the Decoder is set to **Auto Drop Frame**. With this setting, the Decoder displays as many video frames as possible to achieve smooth video performance. However, this function uses more computing power. When the computer loading exceeds 80%, random channels start to decode I frame for about 15 seconds, and then return to the original frame rate afterwards. This process continues until the computer loading drops under 80% or when the user switches to other layout or page.

- **Logout**: Click to logout from the Decoder but remains in Internet Explorer.
- Quit: Click to quit the entire session and close Internet Explorer.



Camera List Menu

The **Camera List** menu defines how the cameras are listed on the left panel.

• List: Click to list the cameras by channel ID and name only.



• **Detail**: Click to list the cameras with details such as IP address and camera model. When the mouse goes over to the camera list panel, the scroll bars appear to enable users to scroll through the camera details.



Hide Toolbar

Click **Hide Toolbar** to hide the toolbar from the Live View screen. Press the **<ESC>** key to display the toolbar again.

Help

Click Help to access the website for more product information and documentation.

About

Click **About** to display the firmware version.

System Date and Time

Click the date and time to access the Date and Time setup page. See *Date and Time* on page 77.



3.3 The Setup Page

Click the **Setup** tab to access the **Setup** page.

									Application	Hide Toolbar	Help Abo	out 2013/09/14 15:08:35 Sat
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power			r
	Syst Syster	em m Information and	Setting		Network Network Setti	ng			Camera Add / Delete / Mod Setting	ify Cameras		e Setti
	Sche Add / Setting	e dule Delete / Modify S 9	chedule		Event Add / Delete /	′ Modify Events	AN AN	3	Maintenance System Maintenan	ice		_
	User Add / Group	Delete / Modify U Permission	ser And		Log View System	Log	Q		Power Reboot			
Login Account: adr	in											

Click an icon from the **Home** menu or a page tab to access the menu page:

- System
- Network Menu
- Camera
- Schedule
- Event
- Maintenance
- User
- Log
- Power



3.4 Configuring the System Settings

System Information

On the Setup page, click System.

						Applica	ition Hid	e Toolbar	Help About	: 2013/09/16 13:22:34 Mon
Home System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power		
		System Name		ECD						ŝ
- Torot		Firmware		ECD-010-	V1.99.06-AC BLD-V2	.12-A				5
		Serial Number	r	ECD1000	-A-13F-99039					1 And
System		Company Nam	ie	ACTi Cor	poration					
Information		Product ID		ECD1000	1					
Date and Time		WebSite		http://www	w.acti.com					
Local Language		Channel Numb	ber	9						
Local Display		Max Live Mon	itor	9						
										Sava
Login Account: admin										Sale

The system information is displayed.

System Name: Name assigned to the Decoder; can be modified. To modify the System Name, type the preferred name on the box. Click the Save button at the bottom of the screen to apply and save changes.

NOTE: The system name can be up to 10 alphanumeric characters, spaces and symbols are not allowed.

- Firmware: System firmware version
- Serial Number: Product serial number
- Company Name: Name of the manufacturer
- Product ID: Product model name
- WebSite: Click the website to access the manufacturer website.
- Channel Number: Maximum number of supported cameras.
- Max Live Monitor: Maximum number of supported live channels.



Date and Time

The Date and Time page allows you to manually change the system date and time or sync with an NTP server.

Automatically Set the Date and Time

Select the time zone to automatically set the date and time.

1. On the **Setup** page, click **System** > **Date and Time**.

									Application	Hide Toolbar	Help	About	2013/09/16 13:30:08 Mon
Home	System Ne	twork	Camera	Schedule	Event	Maintenance	User	Log	Power				
15	Ö		Time Zone		(UTC+08:	00) Asia/Taipei		Ŧ					5
	3		Date and Time		2013/09/1	6 13:30:08							Setup
S	ystem		Daylight Saving	9	Enable								
Information			NTP Server					A	oply				
Date and Time													
Local Language	9												
Local Display													
											Loop	Sumo	Date and Time
Login Account: edmin											Loca	Sync	Date and Time

- 2. On **Time Zone**, select the desired time zone. The system date and time automatically changes according to the current date and time of the time zone.
- 3. If applicable, check the **Daylight Saving** box. Note that this box becomes enabled only if the Daylight saving time can be applied to the selected time zone.

Manually Change the Date and Time

1. On the **Setup** page, click **System** > **Date and Time**.

									Application	Hide Toolbar	Help About	2013/09/16 13:30:08 Mon
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power			
	Ö		Time Zone		(UTC+08	00) Asia/Taipei		Ŧ				6
	-		Date and Time	•	2013/09/1	6 13:30:08						oeu oeu
	System		Daylight Savir	ıg	Enable	1						
Information			NTP Server					A	pply			
Date and Ti	ime											
Local Langu	uage											
Local Displa	ay											
										1	Local Sync	Date and Time
Login Account: a												



- 2. Click the system date and time button.
- 3. Modify the date and time.



	Item	Description
1	Month and Year	Select the month and year from the box.
2	Scroll Icons	Click to view the calendar of the previous or the next month.
3	Date	Click a date to set the date. Selected date is highlighted in
		orange, while the current date is in yellow.
4	Time	Select the hour, minute, and second from the corresponding
		boxes.

4. When done, click **OK** to save.

Sync Date and Time with NTP Server

- 1. On the **Setup** page, click **System** > **Date and Time**.
- 2. On **NTP Server**, type the URL address of the NTP server.

									Application	Hide Toolbar	Help A	bout 2013/09	9/16 13:30:08 Mon
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power				
	Ó		Time Zone		(UTC+08	00) Asia/Taipei		·					ă
			Date and Time	•	2013/09/1	6 13:30:08							out
	System		Daylight Savir	Ig	Enable					_			
Information			NTP Server					Ap	oply				
Date and Ti	ime									-			
Local Langu	uage												
Local Displa	ау												
											Local Sy	ync Da	ate and Time
Login Account: a													



 Click Apply. A message will appear to confirm if synchronization is successful.
 NOTE: If the NTP Server is a domain name, make sure the IP setting and DNS setting of the system gateway are correct.

To delete NTP Server

To delete an NTP server, delete the URL address on the field and click Apply.

Language

To change the language of the local display interface, click **System** > **Local Language** on the **Setup** page. Then, select the desired language from the box.

Home System Network Camera Schedule Event Maintenance User Log Power Imormation Date and Time Incal Language Español Imormation Imore and Time Imore and Time <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>Applica</th><th>tion Hid</th><th>de Toolbar</th><th>Help</th><th>About</th><th>2013/09/16 14:18:42 Mon</th></td<>							Applica	tion Hid	de Toolbar	Help	About	2013/09/16 14:18:42 Mon
Local Language Español	Home System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power			
System Information Date and Time Local Language Local Display			Local Langua	ge	Español	Ŧ						5
Information Date and Time Local Language Local Display	System											a contrado
Date and Time Local Language Local Display	Information											
Local Language Local Display	Date and Time											
Local Display	Local Language											
	Local Display											
Save												Save



Local Display

The Local Display allows users to show or hide information, such as the IP address, system date and time, or event trigger icons, on the Live View screen. By default, all options are enabled.

1. On the **Setup** screen, click **System** > **Local Display**.

Horne System Network Camera Schedule Event Maintenance User Log Power Image: System Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when the system is idle Image: Hide mouse cursor when system is idle <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Applicat</th><th>ion Hic</th><th>le Toolbar</th><th>Help</th><th>About</th><th>2013/09/1</th><th>5 14:20:09 M</th><th>lon</th></td<>								Applicat	ion Hic	le Toolbar	Help	About	2013/09/1	5 14:20:09 M	lon
Image: System Image: Show system is idle Information Image: Show camera name Date and Time Image: Show camera event trigger Local Language Image: Show grid line	Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power					
Reset Save	Information Date and Tin Local Langu	System ne age y		Hide mouse Show syste Show syste Show came Show came Show came Show grid li	cursor when the m time m IP address ra name ra IP address ra event trigger ne	system is idle	,						Reset	Save	ive Setup

- 2. By default, all options are enabled. To disable a function, remove the check from its corresponding box.
 - Hide mouse cursor when the system is idle: If checked, the mouse cursor is hidden from the Local display if there is no mouse movement within 5 seconds.
 - Show system time: If checked, the system date and time is displayed on the bottom of the Live View screen.
 - Show system IP address: If checked, the system IP address is displayed on the bottom of the Live View screen.
 - Show camera name: If checked, the camera name is displayed on the upper left corner of the channel.
 - Show camera IP address: If checked, the camera IP address is displayed on the upper left corner of the channel. For security reasons, it is recommended to uncheck this function to hide the IP address from showing on the local display.
 - Show camera event trigger: If checked, an event trigger icon, such as motion detection, will appear on the upper right corner of the channel when an event occurs.
 - **Show grid line**: If checked, the lines separating the camera channels are displayed on the Live View screen.
- 3. When modifications are done, click **Save** to apply and save the changes. Or, click **Reset** to re-check all the boxes back to its default.



3.5 Configuring the Network Settings

Viewing the Network Information

On the Setup screen, click Network.

							Applicat	ion Hid	le Toolbar	Help	About	2013/09/16 14:26:13 Mon
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power			
			Name				LAN					Ve
			Hardware Add	ress			00:1	3:C0:E4:46	5:21			
			Speed				100	Mbps				Set
	\sim		Connection Ty	pe			DHC	P				5
	Network		IP Address				172.	16.26.61				
Information			Subnet Mask				255.	255.255.0				
Natural Car			Gateway				172.	16.26.253				
Network Con	inection		DNS Setting				Auto	b				
HTTP Port			Primary DNS \$	Server			172.	16.5.19				
			Secondary DN	S Server			172.	16.5.20				
												Refresh
Login Account: ac	imin											

The network information, such as the Hardware Address (MAC address), Speed,

Connection Type, IP Address, Subnet Mask, Gateway, DNS Setting, and Primary and Secondary DNS Server are displayed.

To refresh the page, click **Refresh**.



Configuring the Network Connection

Use the **Network Connection** to configure the network settings of the Decoder, which includes setting of the connection type and IP address.

There are two types of connection: Manual and DHCP.

- Manual: The IP address must be assigned manually, so are other network configurations like Subnet Mask, Gateway, etc. Note that the IP address must be unique for each device on the network. By default, the Decoder has a default IP of 192.168.0.200 and subnet mask of 255.255.255.0. Users may need to change the default IP and subnet mask to ensure the Decoder belongs to the same network segment as the cameras.
- DHCP Connection: On a DHCP network, the DHCP server assigns the IP address automatically. By default, the Decoder will automatically switch to DHCP connection mode and be assigned an IP address. However, if this does not happen, users need to manually change the Connection Type to DHCP. See Obtaining the IP Address Automatically on page 83.

						Applica	tion Hid	ie Toolbar He	lp About	2013/09/16 14:28:38 Mo	on
Home	System	Camera	Schedule	Event	Maintenance	User	Log	Power			
	Network	LAN 1	Connection Typ IP / Subn G	e Manual Address et Mask 25 ateway	• 5 • . 255 • .	255 ▼ . (0 -				ive Setup
Information			DNS Sottin	Manual	_						
HTTP Port	nection		Primary DNS Secondary DNS	Server						Save	
Login Account: a	dmin										1

Setting the IP Address Manually

If your network does not have a DHCP server, perform the following to manually configure the network settings:

- 1. On the **Setup** page, click **Network > Network Connection**.
- 2. On **Connection Type**, select **Manual**.
- Obtain the information from your network service provider and enter the IP Address, Subnet Mask, and other necessary settings.

NOTE: The IP Address and Subnet Mask must be filled in. Other settings may be left blank if not required by the network service.

4. When done, click **Save**.



Obtaining the IP Address Automatically

If your network has a DHCP server, the Decoder will automatically be assigned an IP address. However, in case the Decoder does not detect the DHCP connection, perform the following procedures to obtain the IP address:

- 1. On the **Setup** page, click **Network > Network Connection**.
- 2. On **Connection Type**, select **DHCP**.

				Applicat	ion Hic	de Toolbar	Help	About	2013/09/16 14:53:02 Mon
Home System Network	Camera Schedule	Event	Maintenance	User	Log	Power			
	LAN 1 Connection Typ	e DHCP	•						Ve
									Semb
Network									
Information Network Connection	DNS Settin	g Auto	•						
HTTP Port									
									Save

- 3. Leave the default DNS Setting as "Auto".
- 4. Click Save.

Configuring Port Mapping

By default, the Decoder port number is 80. To change this value, click **Network** > **Port Mapping** on the **Setup** page. Click **Save** to apply and save the changes.





3.5 Configuring the Cameras

On the **Setup** page, click **Camera**. The camera list table is displayed.

All Camera	as								Applicatio	n Hide Toolbar	Help About	2013/09/16 15:34:22 Mon
Home	System	Network		era	Schedule	Event Ma	aintenance	User	Log	Power		
			ID	Name	Brand	Model	IP Address	Cha	nnel ID	Encoder	Resolution	Frame Rate
			01	ACTi	ACTi	E72	172.16.26.142	2 1		H264	N1280x720	15
			02	ACTi	ACTi	E96	172.16.26.64	2		H264	N640x480	15 5
	Camera		03	ACTi	ACTi	KCM3911	172.16.26.69	1		H264	N1920x1080	12
 All Can 	neras (9)		04	ACTi	ACTi	KCM5611	172.16.26.7	1		H264	N1280x720	8
😴 0	1 ACTi		05	ACTi	ACTi	E13	172.16.26.14	1		H264	N1280x720	30
T O	2 ACTi		06	ACTi	ACTi	TCM7411	172.16.26.15	1		H264	N1280x720	8
	13 ACTI 14 ACTI		07	ACTi	ACTi	D55	172.16.26.171	1 1		H264	N1920x1080	15
۵ 🚡	5 ACTi		80	ACTi	ACTi	E42	172.16.26.113	3 1		H264	N1280x720	5
	6 ACTi		09	ACTi	ACTi	D52	172.16.26.45	2		H264	N1280x720	5
	17 ACTi											
	18 ACTI 19 ACTI											
										_		
										Ac	dd Dupli	cate Delete
Login Account:												

- To add cameras, click Add. See Adding Cameras on page 85.
- To add cameras with almost the same setting as an existing channel, see *Duplicating Cameras* on page 89.
- To delete cameras, see *Deleting Cameras* on page 92.

To access the camera properties, click a camera name from the camera list panel or double-click a camera from the table. The camera properties are displayed.

04 ACTI					_		_	Application	Hide Toolbar	Help About	2013/09/16 16:25:52 Mon
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log I	^o ower		
	-		Basic								Camera List
			04 ACH 20	13/09/16 16:25:	52		Name	ACTi			
			All in a			a series	IP Address	172.16.26.7		HTTP Port	1007 00
	~						User Name	admin		Password	••••••
	Camera		E.F.							Get 0	Camera Settings
 All Came 	eras (7)					2-	Brand	ACTi		Firmware	A1D-311-V5.11.07-AC
₹ 01 1 02	ACTI			<u>s</u>		X	Model	KCM5611		Serial Number	KCM5611-12G-X-00480
O 03	ACTI		27			1	Stream Mode	SINGLE	*	Protocol	TCP -
6 05	ACTi						Channel ID	1	*	Encoder	H264 -
0 6	ACTi						Resolution	N1280x720	¥	Frame Rate	8 -
·⊡ •/	PSS									Max Bitrate	3M -
									Web	Configurator	ancel Save
Login Account: a	dmin										

- To access the camera Web Configuration, click Web Configurator.
- To view the camera list table, click **Camera List**.
- To view other cameras, click the camera from the camera list panel on the left.



Adding Cameras

There are two ways to add cameras for viewing: by manually entering the IP address of the camera or by searching the cameras on the network.

Searching Cameras to Add

If you do not know the IP address of the camera or you want to add several cameras at the same time, you can search the cameras connected to the network and choose up to 9 cameras to connect to the Decoder.

- 1. On the Setup page, click Camera.
- 2. On the camera list table, click Add.

All Cameras	5								Applicati	on Hide Toolbar	Help About	2013/09/16 15:34:22 Mon
Home	System	Network		a Sch	edule	Event Mai	ntenance	User	Log	Power		
	-		r –									
			ID	Name	Brand	Model	IP Address	Ch	annel ID	Encoder	Resolution	Frame Rate
			01 .	ACTi	ACTi	E72	172.16.26.142	1		H264	N1280x720	15
			02	ACTi	ACTi	E96	172.16.26.64	2		H264	N640x480	15
	Camera		03	ACTi	ACTi	KCM3911	172.16.26.69	1		H264	N1920x1080	12
 All Came 	eras (9)		04 .	ACTi	ACTi	KCM5611	172.16.26.7	1		H264	N1280x720	8
😴 01	ACTi		05 .	ACTi	ACTi	E13	172.16.26.14	1		H264	N1280x720	30
T 02	ACTI		06	ACTi	ACTi	TCM7411	172.16.26.15	1		H264	N1280x720	8
🐨 03 🐨 04	ACTI		07	ACTi	ACTi	D55	172.16.26.171	1		H264	N1920×1080	15
05 🐌	ACTi		08 .	ACTi	ACTi	E42	172.16.26.113	1		H264	N1280x720	5
06	ACTi		09 .	ACTi	ACTi	D52	172.16.26.45	2		H264	N1280x720	5
<u></u> 07	ACTI											
- 1 00 - 09	ACTi											
										Add	Dupli	cate Delete
Login Account: a	idmin											

3. Click Search Cameras.





4. The Search Cameras screen appears. The default Account "Admin" and Password "123456" are pre-entered. If the camera you want to add has different account and password, enter them on the Account and Password fields.

Search Can	neras							
Account	ad	min			Password		•••••	
ACTi	•	Search						Supports 8/9
Name	Brand	Model	IP Address	Channel ID	Encoder	Resolution	Frame Rate	Status
				N				
				13				
							Previous Sub	omit Cancel

5. Click **Search**. The cameras connected in the network are listed on the table.

Search Ca	meras							
Account	ad	lmin			Passwor	d	•••••	
ACTi	-	Search					68 camera	s) found. Supports 8/9
Name	Brand	Model	IP Address	 Channel ID 	Encoder	Resolution	Frame Rate	Status
	ACTi	D42	172.16.26.2					Inaccessible
ACTi	ACTi	D61	172.16.26.4	1	H264	N1280x720	30	
ACTi	ACTi	D61	172.16.26.4	2	H264	N640x480	5	
ACTi	ACTi	E53	172.16.26.6	1	H264	N1280x720	5	
ACTi	ACTi	E53	172.16.26.6	2	H264	N1280x720	5	
ACTi	ACTi	KCM5611	172.16.26.7	1	H264	N1280x720	8	In Use
ACTi	ACTi	TCM3111	172.16.26.11	1	H264	N1280x1024	18	
							Previous Sul	omit Cancel

6. Click on a camera to select it. You can select up to 9 cameras. Selected cameras are highlighted in orange.

NOTE: The **Status** column shows the status of the camera:

- Inaccessible: The camera account or password may be different from what you have entered on Account and Password fields. So that camera cannot be accessed.
- In Use: The camera is already added to the Decoder for live viewing.
- 7. Click Submit to add the selected cameras to the Decoder for live viewing.



Adding Cameras Manually

To add cameras manually, you need to know the IP address, HTTP port, User Name and Password of the camera you want to connect to.

- 1. On the Setup page, click Camera.
- 2. If the camera list table is not shown, click All Cameras or Camera List.
- 3. On the camera list table, click Add.

All Camera	s								Applicatio	on Hide Toolbar	Help About	2013/09/16 15:34:22 Mon	
Home	System	Network	Came	ra So	chedule	Event Ma	intenance	User	Log	Power			
													ve
			ID	Name	Brand	Model	IP Address	Cha	annel ID	Encoder	Resolution	Frame Rate	
			01	ACTi	ACTi	E72	172.16.26.142	1		H264	N1280x720	15	Set
			02	ACTi	ACTi	E96	172.16.26.64	2		H264	N640x480	15	Ъ
	Camera		03	ACTi	ACTi	KCM3911	172.16.26.69	1		H264	N1920x1080	12	
All Came	eras (9)		04	ACTi	ACTi	KCM5611	172.16.26.7	1		H264	N1280x720	8	
🐨 01	ACTi		05	ACTi	ACTi	E13	172.16.26.14	1		H264	N1280x720	30	
T 02	ACTi		06	ACTi	ACTi	TCM7411	172.16.26.15	1		H264	N1280x720	8	
			07	ACTi	ACTi	D55	172.16.26.171	1		H264	N1920x1080	15	
b 05	ACTI		08	ACTi	ACTi	E42	172.16.26.113	1		H264	N1280x720	5	
0 6	6 ACTi		09	ACTi	ACTi	D52	172.16.26.45	2		H264	N1280x720	5	
07	ACTi												
T 08													
	AGI												
										A	dd Dupli	cate Delete	
Login Account: a	admin												

4. Click Add Camera Manually.

Add Camera			
	Ę	Search Cameras Click this option to search cameras automatically.	
	Ş	Add Camera Manually Click this option to add camera manually.	
			Cancel

5. Type a name you want to use to identify the camera (maximum of 24 alphanumeric characters, no spaces nor symbols). This name is saved only on the Decoder and does not affect the settings on the camera side.



6. Enter the **IP Address**, **HTTP Port**, **User Name** and **Password** of the camera you want to connect to.

07 New Channel					Application	Hide Toolbar	Help	About	2013/09/16 16:15:14	Mon
Home System Network	Camera Schedule	Event	Maintenance	User	Log Po	ower				
	Add								Camera List	e e
				Name	New Channel					
				IP Address				HTTP Port	80	မ္က
				User Name	admin			Password	•••••	- Ť
Camera	07 New Ch	annel						Get	Carnera Settings	
All Cameras (7) O 11 ACTi 22 ACTi 02 ACTi 03 ACTi 04 ACTi 05 ACTi 06 ACTi 06 ACTi 07 New Channel	Save Camera Set Connect	tings bero	re						Web Conligurato	2

 Click Get Camera Settings. The decoder connects and retrieves the camera settings. The camera streaming properties are shown on the page however the video display is still empty at this point.

Hamo System Natwork Camera Schodulo Event Maintenance User Log Deven	
Basic	ist
Name New Channel	
IP Address 172.16.26.171 HTTP Port 80	g
User Name admin Password	
Camera 07 New Channel Get Camera Settings	
All Cameras (7) Save Camera Settings before Connecting. Brand ACT: Firmware AID-500-V6.04	15-AC
© 01 ACI1 0000 000 000 000 000 000 000 000 000	0059
Of ACT Stream Mode DUAL Protocol ICP Constant Mode DUAL Constant Mode DUAL	
C 05 ACTT Claimer D 1 1920-1020 T Encoder Incode	
O7 New Channel	_
Bitrate dM	
Web Confinuator Cancel S	W0

8. Click **Save**. The live video appears on the display window.





Duplicating Cameras

Use this function to add another camera with almost the same camera settings as the selected camera. So instead of entering all the information one by one, duplicate the camera settings first and then modify afterwards. However, to use this function, there must be at least one available channel without a connected camera.

1. Select the camera you want to duplicate from the table, and then click **Duplicate**.

All Cameras									Applicati	on Hide Toolbar	Help About	2013/09/16 16:53:18 Mo	n
Home	System	Network		ra Scheo	dule	Event Mai	intenance	User	Log	Power			
													ive
			ID	Name	Brand	Model	IP Address	Ch	annel ID	Encoder	Resolution	Frame Rate	
			01	ACTi	ACTi	E72	172.16.26.142	! 1		H264	N1280x720	15	Set
			02	ACTi	ACTi	E96	172.16.26.64	2		H264	N640x480	15	臣
	Camera		03	ACTi	ACTi	KCM3911	172.16.26.69	1		H264	N1920×1080	12	
 All Camer 	ras (7)		04	ACTi	ACTi	KCM5611	172.16.26.7	1		H264	N1280x720	8	
🐨 01	ACTi		05	ACTi	ACTi	E13	172.16.26.14	1		H264	N1280x720	30	
T 02	ACTi		06	ACTi	ACTi	TCM7411	172.16.26.15	1		H264	N1280x720	8	
• 03 • 04	ACTI		07	New channel	ACTi	D55	172.16.26.171	1		H264	N1920×1080	30	
€ 05 € 06 € 07	ACTi ACTi New channel												I
Login Account: ac	dala									Ad	ld Duplie	cate Delete	

2. A confirmation message appears. Click **OK** to continue.

?	Are you sure you want to duplicate selected cameras?
	OK Cancel

3. The copied camera is automatically added to the next available channel. Double-click the camera from the table to access the camera properties and modify the settings.

All Cameras									Applicati	on Hide Toolba	ar Help About	2013/09/16 18:22:56 M	lon
Home	System	Network		Schee	dule	Event M	aintenance	User	Log	Power			
													ive
			ID N	ame	Brand	Model	IP Address	C	hannel ID	Encoder	Resolution	Frame Rate	
			01 A	CTi	ACTi	E72	172.16.26.14	2 1		H264	N1280x720	15	Set
			02 A	CTi	ACTi	E96	172.16.26.64	2		H264	N640x480	15	Ð
	Camera		03 A	CTi	ACTi	KCM3911	172.16.26.69	1		H264	N1920×1080	12	
All Camer	ras (8)		04 A	CTi	ACTi	KCM5611	172.16.26.7	1		H264	N1280x720	8	
T 01	ACTi		05 A	CTi	ACTi	E13	172.16.26.14	1		H264	N1280x720	30	
T 02	ACTi		06 A	CTi	ACTi	TCM7411	172.16.26.15	1		H264	N1280x720	8	
C 03	ACTI		07 N	ew Channel	ACTi	D55	172.16.26.17	1		H264	N1920×1080	30	
- 04 - 05	ACTI		4 80	ew Channel	ACTi	D55	172.16.26.17	I 1		H264	N1920×1080	30	
06	ACTi												-
307	New Channel												
S 08	New Channel												
										_			
											Add Duplic	cate Delete	



Modifying Camera Settings

In some cases, you may need to modify the camera connection and streaming properties. To do this, follow the procedures below:

- 1. On the Setup page, click Camera.
- 2. Select the camera from the camera list panel.
- 3. Click Get Camera Settings.

								Applicat	ion Hide Toolt	oar Help About	2013/09/17 13:38:25 Tu
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power		
	-		Basic								Camera List
			08 New Cha	nnel 2013/09/	7 13:38:24		Name	New Cha	nnel		
	P			+-1-1	EL.	1	IP Address	172.16.2	6.171	HTTP Port	80
	V			and the second s	EL.	-	User Name	admin		Password	
	Camera									Get C	amera Settings
All Came	eras (9)		and the second		addressed billion		Brand	ACTi		Firmware	A1D-500-V6.04.15-AC
	ACTi ACTi		-	3		1	Model	D55		Serial Number	D55A-XX-13A-00059
o 03	ACTi		1 and the				Ohnen Mada	DUAL		Destaud	TOD
👘 04 😤 or	ACTI		and the second second				Channel ID	DUAL		Frotocol	10P +
- 05 - 06	ACTI						Desolution	1 N1020w1		Encoder Erama Data	7204
- 07	New Channel						Resolution	14132021	1000 +	May Pitrate	
08	New Channel									Max Ditrate	
T 09	ACTi									Ditrate	41/1
									W	eb Configurator C	ancel Save
Login Account: a	admin										

 Modify the camera connection and streaming properties, as needed. Other properties can only be modified on the camera configuration webpage, in this case, click Web Configurator.

Item	Description
Name	Enter a descriptive name to assign to the Decoder, e.g. location
	of camera, etc. This name is not saved or shown on the camera
	side. The maximum length is 24 alphanumeric characters,
	symbols and spaces are not allowed.
IP Address	Enter the camera IP address.
HTTP Port	Enter the HTTP port. Default port is 80.
User Name	Enter the user name to log in to the camera. Default is "admin".
Password	Enter the password to log in to the camera. Default is "123456".
Brand	Displays the camera brand name. This field cannot be modified
Firmware	Displays the camera firmware version. This field cannot be
	modified
Model	Displays the camera model. This field cannot be modified
Serial Number	Displays the camera serial number. This field cannot be
	modified.
Stream Mode	Displays whether the camera has Single or Dual stream mode.

ECD-1000 Product Manual



ltem	Description							
	This field cannot be modified.							
Protocol	Displays the video stream protocol. You can modify the video							
	stream protocol, as needed.							
Channel ID	For dual stream cameras, select the stream to view. Usually,							
	stream 1 or Channel ID 1 is configured to be the best quality							
	stream for recording purposes and stream 2 or Channel ID 2							
	with basic quality for live viewing, like viewing through the							
	Decoder. Once the Channel ID is selected, the succeeding							
	camera properties, such as encoder, resolution, etc., change							
	according to the compression settings of the selected stream.							
Encoder	Displays the video stream encoder type. You can modify the							
	encoder type for the current stream, as needed. Note that for							
	local viewing, only H.264 is supported.							
Resolution	Displays the video stream resolution. You can modify the							
	resolution, as needed. Note that for local viewing, only up to 2							
	megapixel (1920 x 1080) is supported.							
Frame Rate	This is the amount of frame per second of the video stream. You							
	can modify the frame rate, as needed.							
Max Bitrate	Defines the upper limit of the bitrate. The bitrate will be floating							
(only for H.264)	slightly under that limit. For example, if the limit is set as 2M, the							
	bitrate will be floating around 1.6~2.0 Mbps.							
	If the Max Bitrate is "Unlimited", then the Bitrate selection box							
	will appear that defines the bit rate level.							
	When Max Bitrate is "Unlimited", the user can define the							
	AVERAGE bit rate. For example, if the Bitrate is 2M, then							
Pitroto	occasionally, the actual bit rate may go below or beyond 2M, but							
(only for H.264)	in the long run, the average bit rate will be very close to 2M.							
	This mode allows the most accurate storage estimations,							
	however, while planning the bandwidth, please consider the							
	occasional peaks of bit rate.							
	The user can define the quality with the numeric scale from 1 to							
Video Quelity	100. The default MJPEG quality is 60. The higher is the quality							
(only for MJPEG)	level, the more bit rate the camera will use to achieve the target							
(-))	quality. However, note that local Live View cannot display							
	streams other than H.264.							
Mounting Type	Displays the mounting type of the camera. This field appears							
(only for Fisheye cameras)	only on Fisheye camera models and cannot be modified.							



ltem	Description									
Installation Angle (only for Fisheye cameras)	Displays the installation angle of the camera. This field appears only on applicable Fisheye camera models and cannot be modified.									

5. When done, click **Save**. The camera properties are saved and the Decoder restarts the connection.

Deleting Cameras

- 1. On the **Setup** page, click **Camera**.
- 2. If the camera list table is not shown, click All Cameras or Camera List.
- 3. On the camera list table, click the camera(s) to delete. Click as many cameras as needed.

All Camer	ras								Applicat	ion Hide To	olbar Help About	2013/09/16 15:34	22 Mon
Home	System	Network		ra :	Schedule	Event Ma	aintenance	User	Log	Power			
													ive
		Y	ID	Name	Brand	Model	IP Address	Cha	annel ID	Encoder	Resolution	Frame Rate	
			01	ACTi	ACTi	E72	172.16.26.14	2 1		H264	N1280x720	15	Setu
			02	ACTi	ACTi	E96	172.16.26.64	2		H264	N640x480	15	P
	Camera		03	ACTi	ACTi	KCM3911	172.16.26.69	1		H264	N1920x1080	12	
 All Car 	meras (9)		04	ACTi	ACTi	KCM5611	172.16.26.7	1		H264	N1280x720	8	- 8
S	01 ACTi		05	ACTi	ACTi	E13	172.16.26.14	1		H264	N1280x720	30	
T	02 ACTi		06	ACTi	ACTi	TCM7411	172.16.26.15	1		H264	N1280x720	8	
	03 ACTI		07	ACTi	ACTi	D55	172.16.26.17	1 1		H264	N1920x1080	15	
2	04 ACTI 05 ACTI		08	ACTi	ACTi	E42	172.16.26.11	3 1		H264	N1280x720	5	
- ē	06 ACTi		09	ACTi	ACTi	D52	172.16.26.45	2		H264	N1280x720	5	
- <u>-</u>	07 ACTi												
T	08 ACTi												
	U9 ACTI												
											Add Dupli	cate Dele	ete
Login Account	t: admin												

- 4. Click Delete.
- 5. A message appears, click **OK** to confirm.





3.6 Configuring User Access

User access permissions are managed by **Groups**. **Groups** define what functions and devices are allowed for each user. Different **Groups** may have different access rights, like **Live View**, **Setup Access**, and **Remote Access**.

To setup access permissions, perform the following:

- 1. Create a group. See below.
- 2. Add users to the group. See *Adding Users* on page 95.
- 3. Set the access rights. See *Granting Access Permission* on page 96.

Creating Groups

By default, an **Administrator** group with the "**admin**" user is preset with **Live View**, **Setup Access** and **Remote Access** rights.

1. On the **Setup** page, click **User** > **Group**.



- 2. Click Add Group.
- Enter the group Name (up to 32 characters) and Description (up to 128 characters).
 NOTE: The group name can be up to 32 alphanumeric characters; symbols and spaces are not allowed.

ECD-1000 Product Manual



Add New Group	
Name	
Description	
	OK Cancel

4. Click **OK**. The new group appears on the group table.

	_	_	_	_	_	_	_	Applica	tion Hide Toolbar	Help About	2013/09	/17 16:47:48 Tue
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power			
		Í	Name	Descriptio	n							
	GIAN		Administrator	Full permis	sion and sys	stem control					Edit	
En III			Nurse	Viewing for	Nurses' Sta	tion					Edit	Delete
												- Contraction
	Licor											
	0361											
Group												
User												
Permission												
									Add Group	Add	User	Save
Login Account: ac	dmin											



Adding Users

 On the Setup page, click User > User. By default, the "admin" user is preset and cannot be deleted.

								Applica	ation	Hide Toolbar	Help	About	2013/09/17 1	6:47:48 Tue
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Po	wer				
		l l	Name	Descriptio	n									Ve
	GIER		Administrator	Full permis	sion and sys	stem control						Ed	it	
	SAA		Nurse	Viewing for	r Nurses' Sta	tion						Ed	it De	lete 0
L														Ę
	User													
Group														_
User														_
Permission														_
														_
														_
														_
														_
														_
														_
														_
														_
										Add Group		Add Us	er	Save
Login Account: ac	imin													

- 2. Click Add User.
- 3. Enter the following information:

Add New User	
Name	
Password	
Confirm Password	
User Group	Administrator •
	OK Cancel

ltem	Description
Name	Enter a user name. The name can be up to 63 alphanumeric
	characters; symbols are not allowed.
Password	Enter the password that will be used by the user to log into the
	Decoder.
Confirm Password	Re-type the password here. The two passwords must match.
User Group	Select the group to where the user belongs. This group defines
	the access rights granted for the user.

4. Click **OK**. The new user is added to the user table.



Granting Access Permission

- 1. On the **Setup** page, click **User** > **Permission**.
- 2. On **Group**, select the group.

								Applica	tion Hide Toolbar	Help About	2013/09/17 17:22:04 Tue
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power		
		Gr	oup	Administrator		•					We
	GINK		Applicatio	n							
6			Live								Set
			Setup								6
	User		Remote								
Group											
User											
Permissio	n										
									Add Group	Add U	lser Save
Login Account	: admin										

- 3. Check the box to grant its access permission, options are:
 - Live: Permission for Live View. Live View access is always enabled.
 - **Setup**: Permission to access the **Setup** page from both the local and remote client. Granting this access enables the user to modify the camera and system settings.
 - **Remote**: Permission to access the Decoder through a remote client computer.



4. When done, click **Save**.



Managing Groups and Users

Except for the Administrator group, all user-defined groups and users can be modified.

- To modify a group or user, click the corresponding **Edit** button.
- To delete a group or user, click the corresponding **Delete** button.



3.7 Managing Network Loss

When a camera suddenly disconnects from the network, the Decoder will trigger a network loss notification by displaying a network loss icon and a beep sound.

By default, the trigger is enabled for 24 hours a day and 7 days a week. However, the beep sound must be enabled and configured separately.

Scheduling Network Loss Trigger

- 6. On the Setup page, click Schedule.
- 7. Select the camera from the camera list panel.



	Item	Description
1	Event Handling	• Event Handling: Enables event trigger.
	Schedule	No Event Handling: Disables event trigger.
2	Time Table	Shows green cell if event trigger is enabled and gray cell if
		event trigger is disabled.

8. Select either Event Handling or No Event Handling.



9. Drag the mouse over the time table to select the time period. By default, the schedule affects all the days of the week.

07 ACTI										Application	Hide Toolbar	Help	About	2013/09/2	3 13:57:47 Mo	on
Home	System	Network	Camera		Event	Maintenance	Use	r Log)	Power						
			Event Handli	ng Schedule 🔘	Event Ha	andling 💽 🔜 No	Event Ha	andling								Ve
				0 1	23	4 5 6 7	8	9 10	11	12 13	14 15 1	6 17	18 19	20 21	22 23	
	\bigcirc		Mon													- 0
			Tue	_	_											etup
	Schodule		Wed	••••	••••	• •										
All Com	Schedule		l hu	_												
T o	1 ACTi		FTI Sat		_											
0	3 ACTi		Sun													
	4 ACTi 5 ACTi		Sui					·					·			4
- 😨 o	6 ACTi															
0	7 ACTi															
													_			
														Copy	Save	
Login Account:	admin															

10. To exempt a particular day from time selection, click the day. A lock icon appears. In the example below, Saturday and Sunday are locked so both days are not included in the time selection.



11. When done, click **Save**.

TIP: Instead of manually modifying the event trigger on all cameras, users can copy the schedule to other channels. See *Copying Event Schedule Settings* on page 101.



Enabling Beep Sound Trigger

To enable the beep sound when a camera is disconnected from the network, do the following:

- 7. On the Setup page, click Event.
- 8. Click the Set button on Network Loss.



9. Check **Beep** to enable the beep sound.



- 10. Set the beep duration and the number of beeps to sound when the event is triggered.
- 11. Click **OK**.
- 12. Click **Save** to save the configurations. The Decoder will demonstrate and emit the beep sound as configured.



Copying Event Schedule Settings

Instead of manually modifying the event schedule and beep settings on all cameras one by one, users can copy the settings to other channels.

- 5. After setting the event schedule or beep settings, click **Copy**. The **Copy Schedule** window appears.
- 6. The current camera is highlighted in orange. Click the **Copy From button**. This sets the current camera as the source.

Camera Copy From 01 ACTi	Copy Schedule	
	Camera 01 ACTi 03 ACTi 04 ACTi 05 ACTi 06 ACTi 07 ACTi	Copy From To

- 7. Select camera(s) from the left panel and click the **To even** button.
- 8. Click **Copy**. The current camera event schedule or beep settings will be copied to the camera(s) under **To**.

Copy Schedule		
Camera 04 ACTi	Copy From 07 ACTi	
05 ACTi 06 ACTi	To 01 ACTi 03 ACTi	
	Clier Conv Cliese	

9. A message appears when copy is complete. Click **OK** to close the window.



3.8 System Maintenance

The **Maintenance** page allows users to upgrade the firmware, backup or restore the system settings, and save error reports for troubleshooting.

Upgrading the Firmware

- 1. Check and download the latest firmware package from the website (<u>www.acti.com</u>).
- 2. On the **Setup** page, click **Maintenance** > **Firmware Upgrade**.

								Applicat	tion Hide Toc	olbar Help	About	2013/09/17 18:17:47 Tue
Home	System	Network	Camera	Schedule	Event	Maintenance	User	Log	Power			
S.	A	File	Select file(•.upg) to upgrade	system.			Browse				vie Setup
Ma	aintenance											
Firmware Up	ograde											
Settings Bac	ckup/Restore											
Troubleshoot	ting											
												Lindate
Login Account: ac	dmin											opsato

- 3. Click **Browse**, and then browse for the downloaded firmware file (*.upg).
- 4. Click **Update** to start the upgrade.

WARNING: Do not restart or turn off the remote computer while the system is upgrading the firmware!

A message appears when upgrade is complete, click OK to reboot the Decoder.
 NOTE: All video streams will be lost for a few seconds until the Decoder completes the reboot process.



Saving Backup Settings

It is recommended to make regular system backup in case of unexpected disasters or accidents.

- 1. On the Setup page, click Maintenance > Settings Backup/Restore.
- 2. Click **Backup**.



3. A pop up message appears. The Decoder creates a backup file of the whole system settings as *Backup_[yyyymmdd].nvr* file. Save the file to the hard disk or to a USB disk connected to the remote computer.

Do you want to save Backup_20130917.nvr (6.23 KB) from 172.16.26.103?	Save	•	Cancel	×

The backed up settings include the following properties: (1) **System Settings** including **System Name**, **Date & Time**, **Network**, and **Mouse**, (2) **Camera Settings**, (3) **Schedule Settings**, and (4) **Event Management**.



Restoring Backed Up Settings

- 1. On the Setup page, click Maintenance > Settings Backup/Restore.
- 2. Click Browse. Then browse for the backed up file (Backup_[yyymmdd].nvr).



- 3. Click Restore.
- 4. A confirmation message appears, click **OK** to continue.
- 5. When done, click **OK** to restart the system for the changes to take effect.

Troubleshooting

The **Troubleshooting** page allows users to export an error report (*.tgz) to be sent to the Customer's Help Desk (CHD) for troubleshooting purposes.

- 1. On the **Setup** page, click **Maintenance** > **Troubleshooting**.
- 2. Click Export.

						Applic	ation Hide Toolbar	Help	About	2013/09/17 18:54:19 Tue
Home System Netw	ork Camera	Schedule	Event	Maintenance	User	Log	Power			
Maintenance Firmware Upgrade Settings Backup/Restore Troubleshooting	Error Report Export the server s	tatus information fo	or error report	Export						Live Setup
Do you want to	swe groot report tag (49.0 KB) from 172.16	5.26.103?				S	we T	Cancel	

An error report (**error_report.tgz**) is generated. Save the file and send it to the CHD for troubleshooting.



3.8 Managing the System Log

The **Log** page allows users to view the Decoder activity log and save a log report as an XML file. The Decoder saves the latest 3000 logs. Logs can be filtered according to date and the source of activity.

1. On the **Setup** page, click **Log**.

							Appl	ication	Hide Toolbar	Help	About	2013/09/1	8 10:17:20 Wed
Home	System	Network	Camera	Schedule	Event	Maintenance	User Log	P	ower				
1		•	Show All Days Select Single I 2013/09/18	Day		7 7 1	System Remote Local						
		ID	Date		Account	Source	Description						
	Log	1	2013/	09/18 09:58:52	admin	Remote	User login						
	Log	2	2013/	09/18 09:56:50	*	System	System start up						
		3	2013/	09/17 18:45:11	admin	Remote	Camera 8 is add	ed					
		4	2013/	09/17 18:43:45	admin	Remote	User login						
		5	2013/	09/17 18:41:31	*	System	System start up						
		6	2013/	09/17 18:40:57	admin	Remote	Restore system	configura	ation				
		7	2013/	09/17 18:24:32	admin	Remote	Backup system	configura	ation				
		8	2013/	09/17 18:17:27	admin	Remote	User login						
		9	2013/	09/17 18:07:21	admin	Remote	Update permissi	on					
		10	2013/	09/17 18:07:21	admin	Remote	Update user						
		11	2013/	09/17 17:35:23	admin	Remote	Update permissi	on					
		12	2013/	09/17 17:35:23	admin	Remote	Update user						
		13	2012/	nn/47 47-99- <i>46</i>	admia	Damata	Undata normiasi	~~				Export	Refresh
Login Account: a													

- To filter according to date, select Show All Days to display all the logs or select Select Single Day and click the date to change the date. The table is updated automatically.
- 3. To filter by source of activity, check or uncheck **System**, **Remote**, and/or **Local**. The table is updated automatically.
- 4. To save the log report, click **Export**.
- 5. Browse for the target location and save the log report file (*.xml).
- 6. When log export is complete, click **OK**.
- 7. To refresh the list, click **Refresh**.

3.9 Rebooting the Device

- 1. On the **Setup** page, click **Power**.
- 2. Click **Reboot**.
- When the confirmation message appears, click OK to reboot.
 NOTE: All video streams will be lost for a few seconds until the Decoder completes the reboot process.



Chapter 4: Installation and Maintenance

This chapter describes the different ways to install the Decoder:

- Surface Mount
- VESA Mount
- Pole Mount

4.1 How to Surface Mount?

The Decoder can be mounted on a straight wall or on a table or pedestal. For wall installation, it is recommended to install the Decoder with the HDMI and Composite connectors facing down.

- 1. Mark the 4 screw holes on the surface.
- 2. If necessary, drill the holes and insert the plastic plugs.
- 3. Attach the 4 supplied screws to secure the device.





4.2 How to Use VESA Mount?

The Decoder is designed to be directly installed between a VESA mount and a monitor.

- 1. Place the device in between a VESA mount (10 x 10) and the monitor, with the top side of the device facing the monitor while the bottom side facing the VESA mount.
- 2. Attach the 4 supplied long screws to secure the Decoder.





4.3 How to Use the Pole Mount?

The Decoder comes bundled with pole mount accessories, like the cable straps and the bracket. The cable straps can hold poles with 1" to 2" diameter.

1. With the smooth side outwards, insert the supplied cable straps through the holes $(A \longrightarrow B \longrightarrow C \longrightarrow D)$.



NOTE: Use the inner A and D holes if mounting on a pole with 1" diameter or the outer A and D holes for a 2" diameter pole.

- 2. Align the pole mount to the pole.
- 3. Insert the cables through the latches and push all the way until they fit snugly to the pole.




- 4. Align the Decoder to the mount with the Ethernet port side up and HDMI port side down.
- 5. Attach the 4 supplied long screws to secure the Decoder to the mount.

