

# HD VIDEO RECORDER SERIES

## Quick Start

Please read instructions thoroughly before operation and retain it for future reference.

Online manual download: [www.surveillance-download.com/user/h0401.swf](http://www.surveillance-download.com/user/h0401.swf)

# 1. HARDWARE OVERVIEW

## 1.1 Front Panel

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**Note:** The functions on the front panel and rear panel may vary, depending on the mode you have.

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### 1) LED indicators

Alarm	An alarm event occurs.
Internet	The device is connected to Internet.
Record	Recording is on.
HDD	Up to two hard disks are installed in the device and connected well.
e-SATA	An external disk array is connected.

### 2) USB port (•⇄)

Insert a compatible USB flash drive for video backup.

### 3) Mouse port (⌂)

Insert a mouse for function operation.

## 1.2 Rear Panel

### 1) eSATA

This port is used to connect a storage device supporting eSATA interface; for instance, an external hard disk or a disk array.

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**Note:** Please purchase a disk array supporting Linux system to ensure your device works properly.

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### 2) HDMI

This port is used to connect the monitor, which supports HDMI interface.

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**Note:** Direct connection to the monitor, which supports VGA or composite interface, is not supported. Please prepare a converter in advance.

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### 3) WAN

This port is used to connect your device to Internet.

### 4) PoN Ports (1 ~ 4)

They are used to connect IP cameras locally. This device supports PoN (power-over-network), which could provide power to all connected cameras. No power adapters are needed for cameras.

### 5) DC48V IN

Connect the device to power with the regulated adapter.

### 6) ⏻ (Power switch)

Switch to “-” to turn on the power, and “O” to turn off the power.

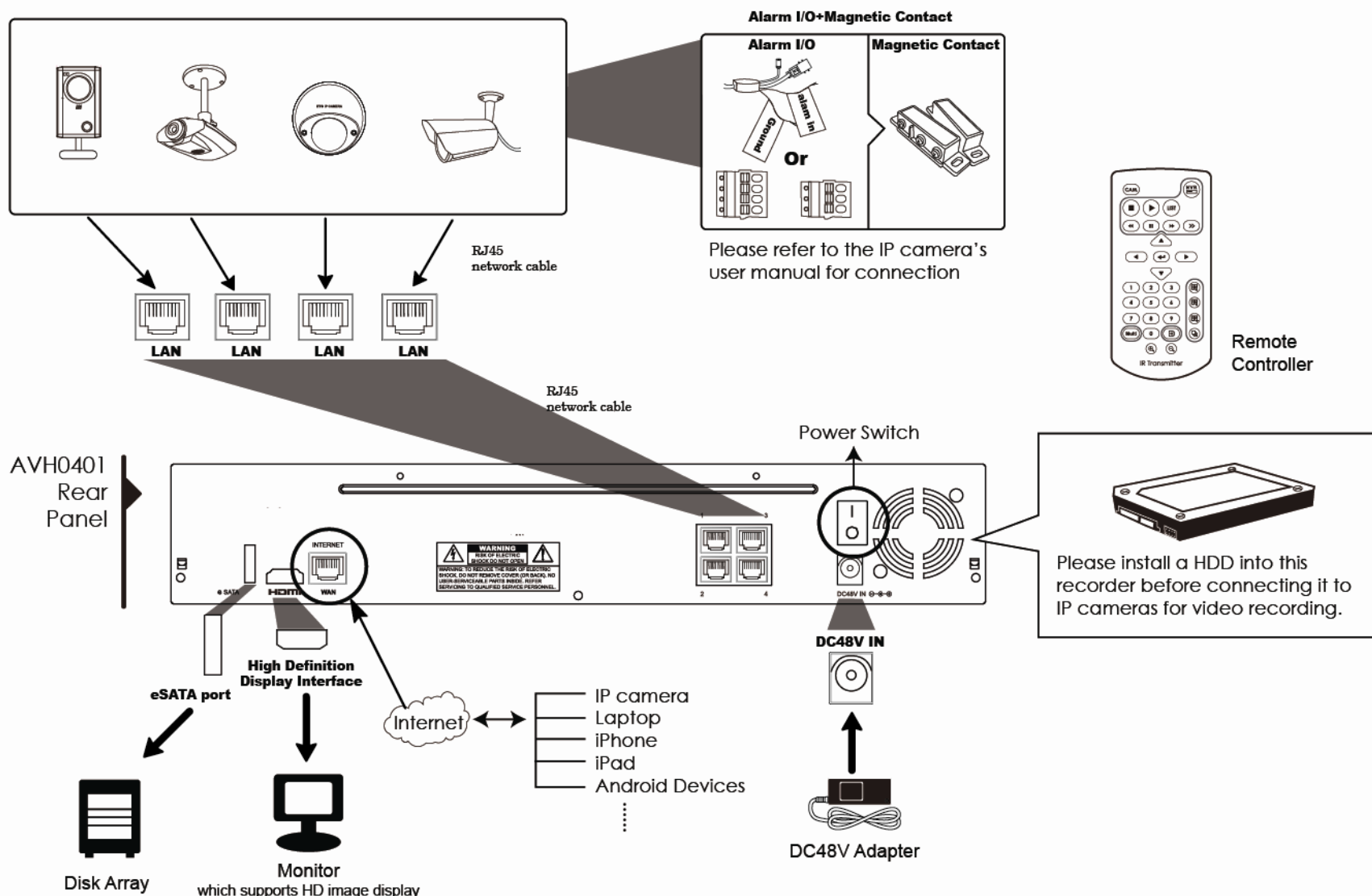
# 2. CONNECTION

## 2.1 Camera IP Configurations by LAN

Auto mode is to simplify the complicated network settings within three minutes. The connection mode of the LAN port is "AUTO" by default. This mode is suitable when the LAN port of the device is connected to a hub.

**Note:** SETTING Path:  (ADVANCED CONFIG) → NETWORK → LAN → MODE.

Connect up to 4 IP devices:




The device will **automatically** configure the IP address of a camera connected by LAN if:

- The connected IP camera is our brand's IP camera.
- Reset the IP camera to default value (the default IP configuration method of the camera is "DHCP").
- The camera is powered on before the device is powered on.

If the device **doesn't** configure the IP address of your camera automatically as described above, your IP camera might **NOT** be:


- Our brand's IP camera.
- Set to "DHCP" as its default IP configuration method.

To solve this, use our brand's IP camera, and reconfigure its IP address to 10.1.1.xx (xx ranges from 11 ~ 253), in the same network segment as the device.

- a) Move your mouse to the left side of the screen to show the quick bar, and select . You'll see the list of every connected IP camera with its connection status to this device and MAC address.
- b) Select the IP address which is not used, and select "SETUP".

IP SEARCH			
IP	PORT	MAC	STATUS
10.1.1.12	88	00:0e:53:e5:9a:f1	CONNECTED TO CH1
10.1.1.13	88	00:0e:53:a6:91:18	CONNECTED TO CH2
10.1.2.14	88	00:0e:53:a5:9f:a2	UNUSED
10.1.1.15	88	00:0e:53:e1:4e:k5	CONNECTED TO CH3
10.1.1.16	88	00:0e:53:s5:3e:h6	CONNECTED TO CH4
10.1.1.17	88	00:0e:53:e6:4b:26	CONNECTED TO CH5

	CONNECT	SETUP	EXIT
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- c) Select "DHCP" in "NETWORK TYPE".
- d) Click "APPLY" and "EXIT" to save your changes.

SETUP	
NETWORK TYPE	DHCP
IP	10.1.1.14
PORT	88
USER NAME	admin
PASSWORD	*****
NETMASK	255.0.0.0
GATEWAY	10.1.1.10
PRIMARY DNS	168.95.1.1

APPLY	EXIT
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- e) The device will then detect the IP camera and display images soon.

## 2.2 Manual Connection Setup

To manually assign a channel to connect to the IP camera, select a corresponding “PROTOCOL” from the drop down list first, click “URI” to enter the address of the camera, and enter its port number. There are four protocol types available in the drop down list as follows: “AVTECH”, “ONVIF”, “RTSP OVER HTTP”, and “RTSP OVER UDP”. If you are using AVTECH IP cameras, please select “AVTECH”; otherwise, choose the protocols your cameras support.

ADVANCED CONFIG					
CONNECTION	CHANNEL	URI	PORT	PATH	CONFIG
CAMERA	CH1	AVTECH ://ip_office.ddns.eagleeyes.tw	:80	/	SETUP
DETECTION	CH2	ONVIF ://10.1.1.14	:88	/	SETUP
ALERT	CH3	RTSP OVER HTTP ://10.1.1.30	:88	/	SETUP
NETWORK	CH4	RTSP OVER UDP ://10.1.1.12	:88	/	SETUP
DISPLAY	CH5	AVTECH ://10.1.1.16	:88	/	SETUP
RECORD	CH6	AVTECH ://10.1.1.13	:88	/	SETUP
EXIT					

# 3. USER INTERFACE

## 3.1 Local

### 3.1.1 Device Status

	Key lock		Key unlock
	Channel lock		Channel unlock
	USB flash drive / device connected		No USB device connected
	Timer record on		Timer record off
	Overwrite on		Overwrite off
	Sequence mode on		Sequence mode off
	PTZ mode on		PTZ mode off
	CPU loading		
<b>Network Status:</b>			
	(WAN) Internet connected		(WAN) Internet disconnected
	(WAN) Local connection		
	(LAN) Auto mode –Mbit/s		(LAN) Auto mode – Gbit/s
	(LAN) DHCP / Static IP mode		(LAN) Camera disconnected






### 3.1.2 Channel Status

	Auto search on		Auto search off		Original size		Fit to screen
	Live audio on		Audio off		Audio playback on		Audio playback off
	Recording		PTZ control		Alarm event		Motion event
	Live information		Playback information		Digital zoom		Channel Playback
	Quick camera control						










### 3.1.3 Quick Operation

	Click to show the channel switch panel and select the channel you want.
	Click to display the playback control panel, and click  to play the latest recorded video clip, or click  to enter the search list.
	Click to open the IP search window and check the current connection status of each channel.
	Click to show the power off panel to either halt or reboot the system.

## 3.1.4 Main Menu

	QUICK START	Click to set the status display, image settings, and date & time.
	SYSTEM	Click to set the system configurations.
	EVENT INFORMATION	Click to enter the event search menu.
	ADVANCED CONFIG	Click to set CONNECTION, CAMERA, DETECTION, ALERT, NETWORK, DISPLAY, and RECORD.
	SCHEDULE SETTING	Click to set record timer and event timer.

## 3.1.5 Playback Panel

	Fast Forward	Increase the speed for fast forward.
	Fast Rewind	Increase the speed for fast rewind.
	Play / Pause	Click to play the latest recorded video clip immediately, and click again to pause. In the pause mode, click  once to get one frame forward, and click  to get one frame rewind.
	Stop	Click to stop the video playback.
	Slow Playback	Click once to get 1/4X speed playback, and click twice to get 1/8X speed playback.
	Previous / Next Hour	Click to jump to the next / previous time interval in an hour, for example, 11:00 ~ 12:00 or 14:00 ~ 15:00, and start playing the earliest event video clip recorded during this whole hour.
	Quick Search	Click to enter the quick search menu for specific record data search.