

H.265 5MP NVR SERIES

QUICK START

Please read instructions thoroughly before operation and retain it for future reference. For the actual display & operation, please refer to your device in hand.

To check the complete user manual, scan the QR code on the right, or go to the site: www.surveillance-download.com/user/h517.swf

To get the free PC CMS software (CMS Lite), check the supplied CD or go to the site: www.surveillance-download.com/user/h517.swf



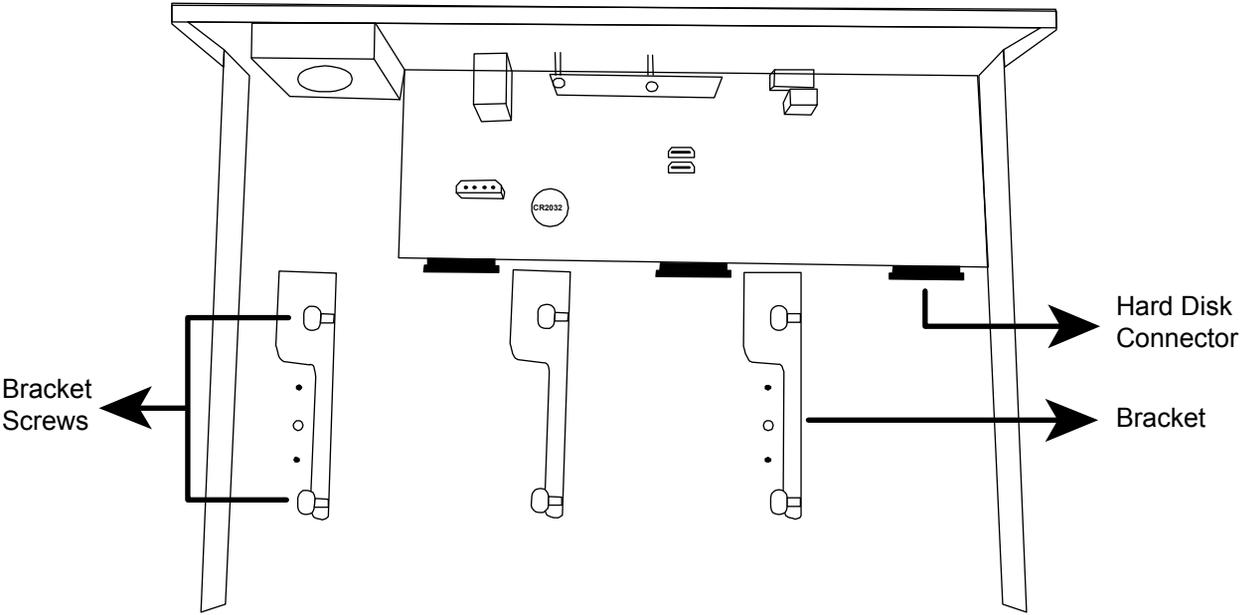
CONNECTION

Hard Disk Installation

Note: It's necessary to install a hard disk first before firmware upgrade to ensure the upgrade process works properly.

■ **Type 1**

Step1: Remove the top cover, and find the hard disk connector and bracket in the device.

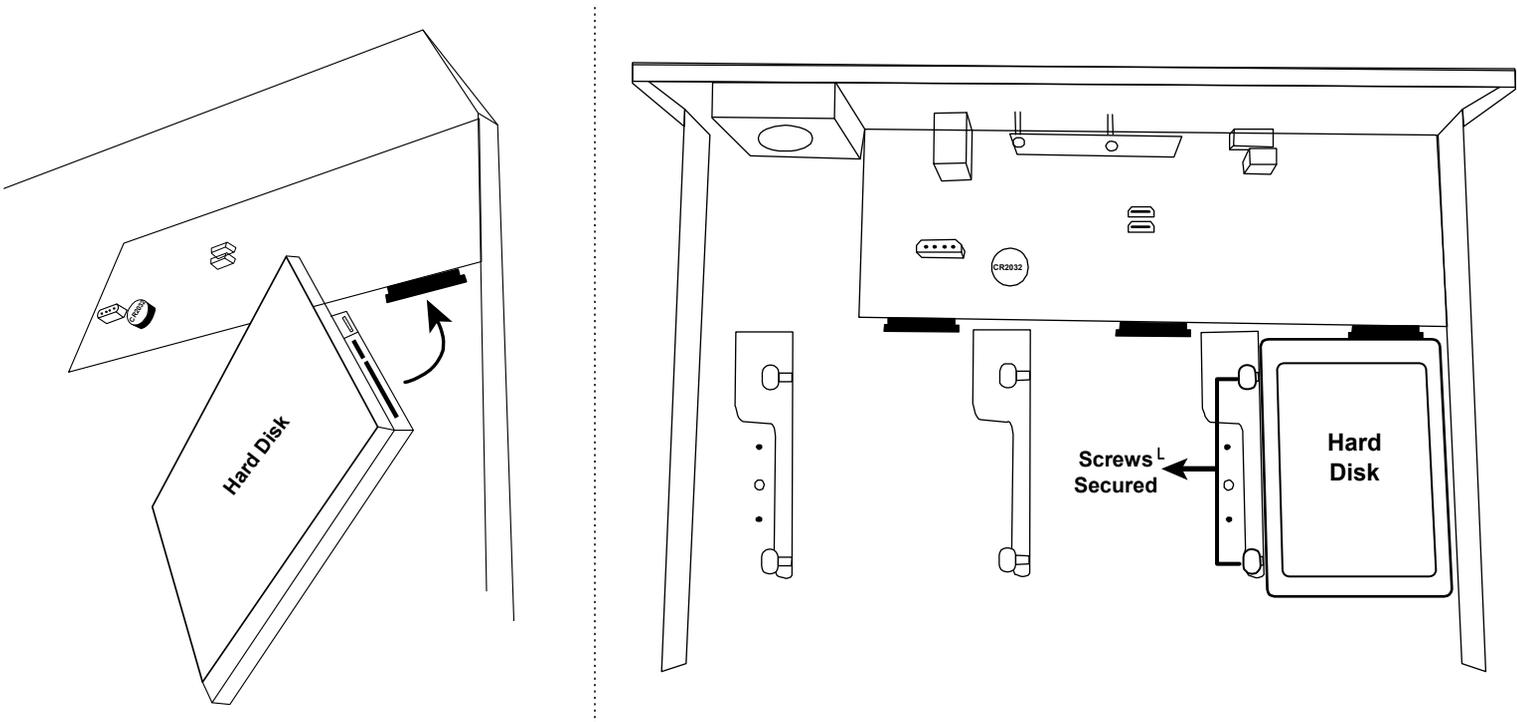


Step2: Get a compatible hard disk. With the PCB side facing down, insert the hard disk to one of the hard disk connector.

Note: To use a green hard disk, use **ONLY** the hard disk designed especially for surveillance to ensure the device works properly.

Step3: Fasten the hard disk to the bracket by securing the screws on the bracket.

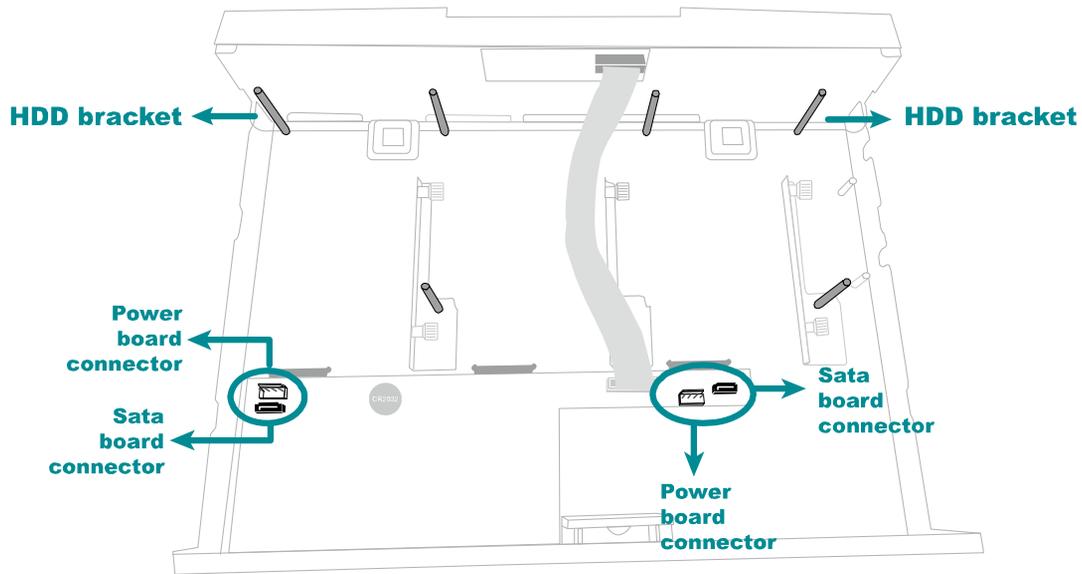
Note: For the 16CH model which supports five hard disks, please go to "Additional Brackets for Two More Hard Disks" to know how to install the other two hard disks.



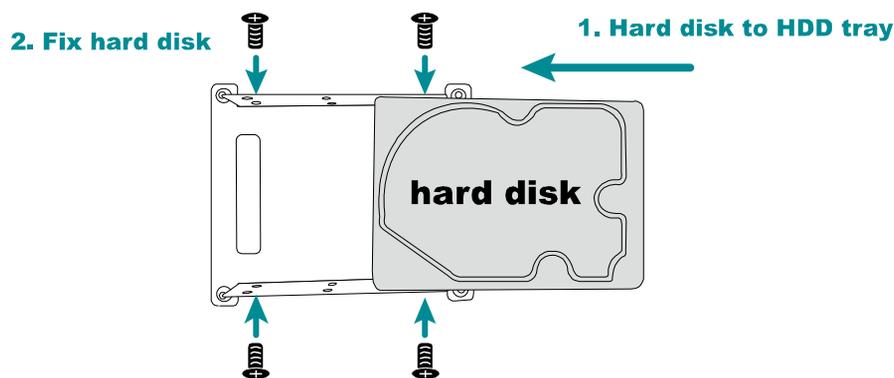
Step4: Replace the top cover and fasten the screws you loosened in Step1.

Additional Brackets for Two More Hard Disks

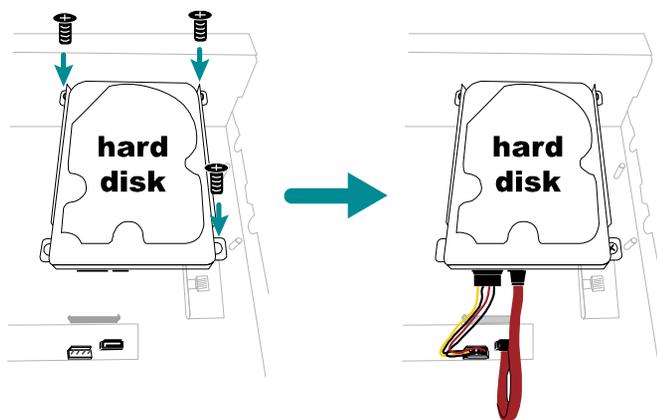
- Step1: For the 16CH model which supports five hard disks, find two pairs of HDD trays, SATA cables and power cables in the sales package.
- Step2: Find HDD brackets, power board connectors (white) and Sata board connectors (black) on the main board. To install a hard disk, three brackets, one power board connector (white) and one Sata board connector (black) are needed.



- Step3: Place the hard disk to the HDD tray and fix it on the tray with the supplied screws.

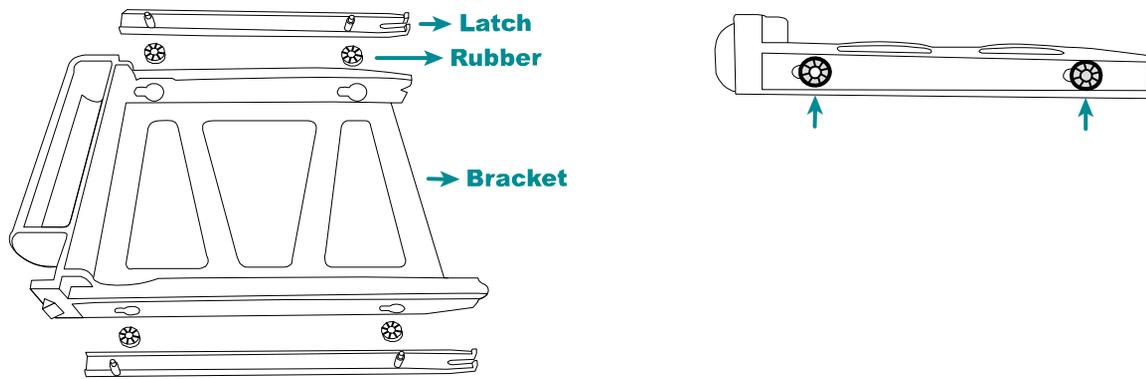


- Step4: Fix the HDD tray to the HDD brackets with the supplied screws.
- Step5: Connect the Sata cable and power cable to main board and the hard disk.

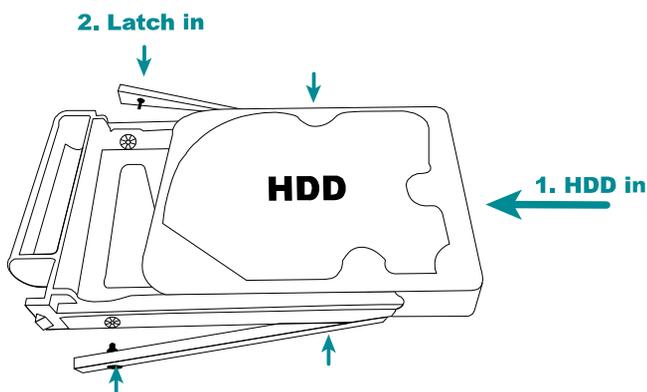


■ Type 2

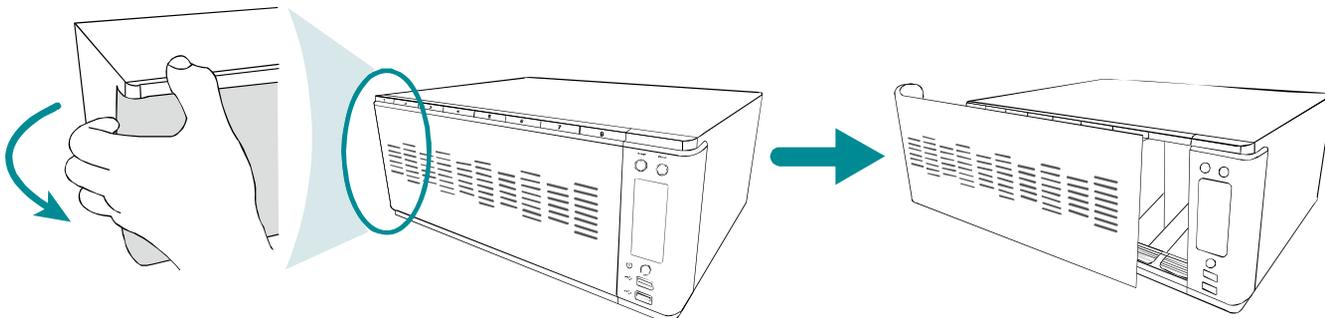
Step1: Find the HDD tray and its accessories in the sales package, and place the rubber to the HDD tray as shown below.



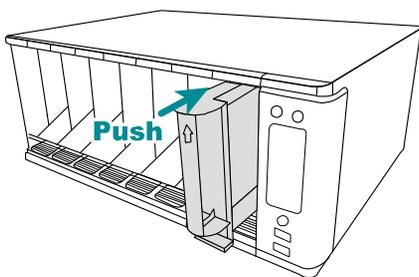
Step2: Get a compatible hard disk. With the PCB side facing down and the hard disk's connector facing the outside. Then, place the hard disk in the HDD tray and insert the latches.



Step3: Remove the front cover by pulling from the left end of the cover as indicated below. You'll see eight HDD bays.



Step4: Push the HDD tray with a hard disk installed to the end of the HDD bay to ensure the hard disk is inserted properly.



Step5: Replace the front cover removed in Step3 back to the NVR.

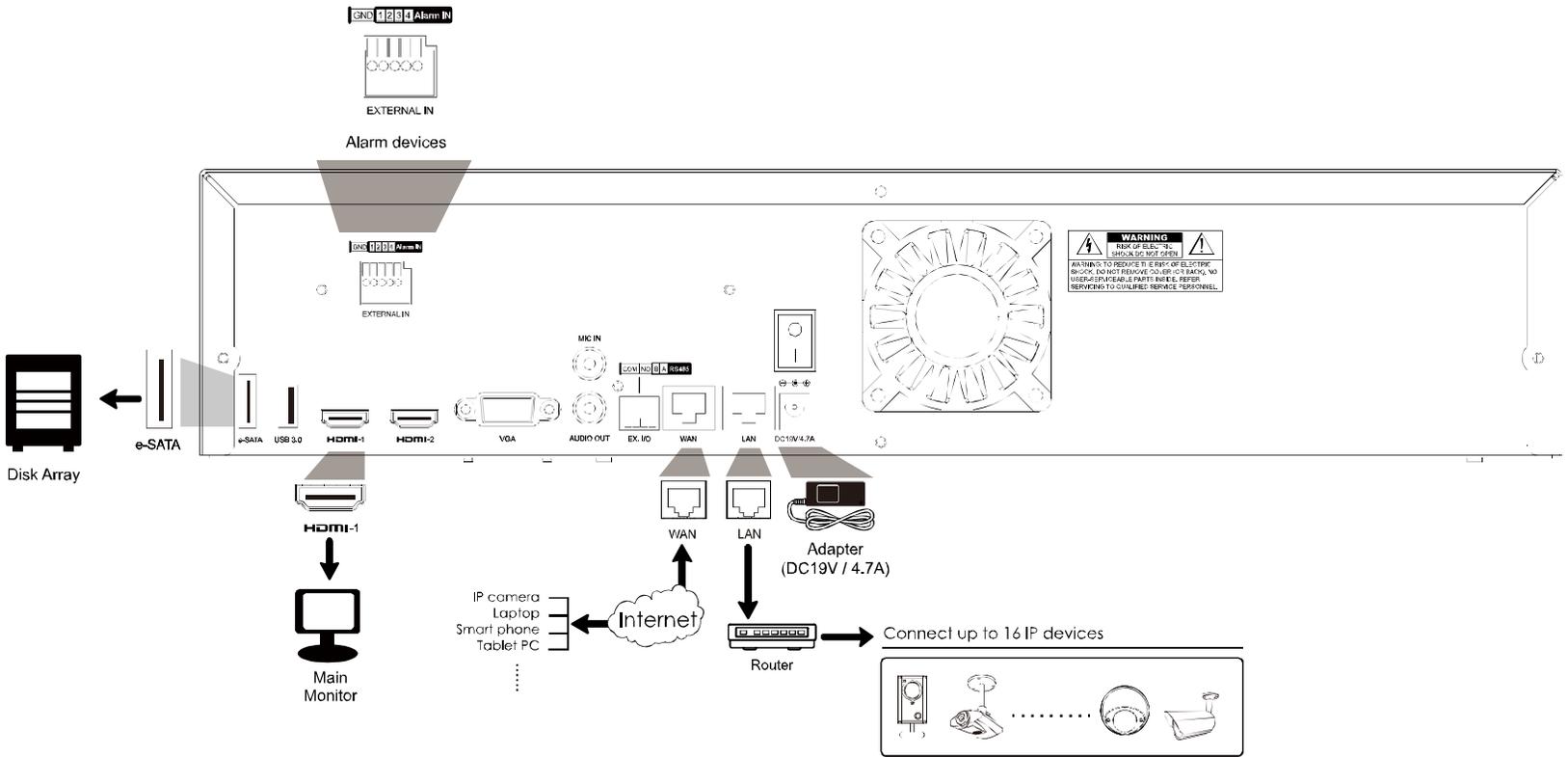
Step6: Power on the NVR and wait till the initialization is completed. Check if the HDD indicator on the front panel is flashing in red and then always on in green.

If not, right click the mouse to exit from the full screen mode. Click **MENU** → **STORAGE** to see if all hard disks you inserted are detected, and click one by one to mount them.

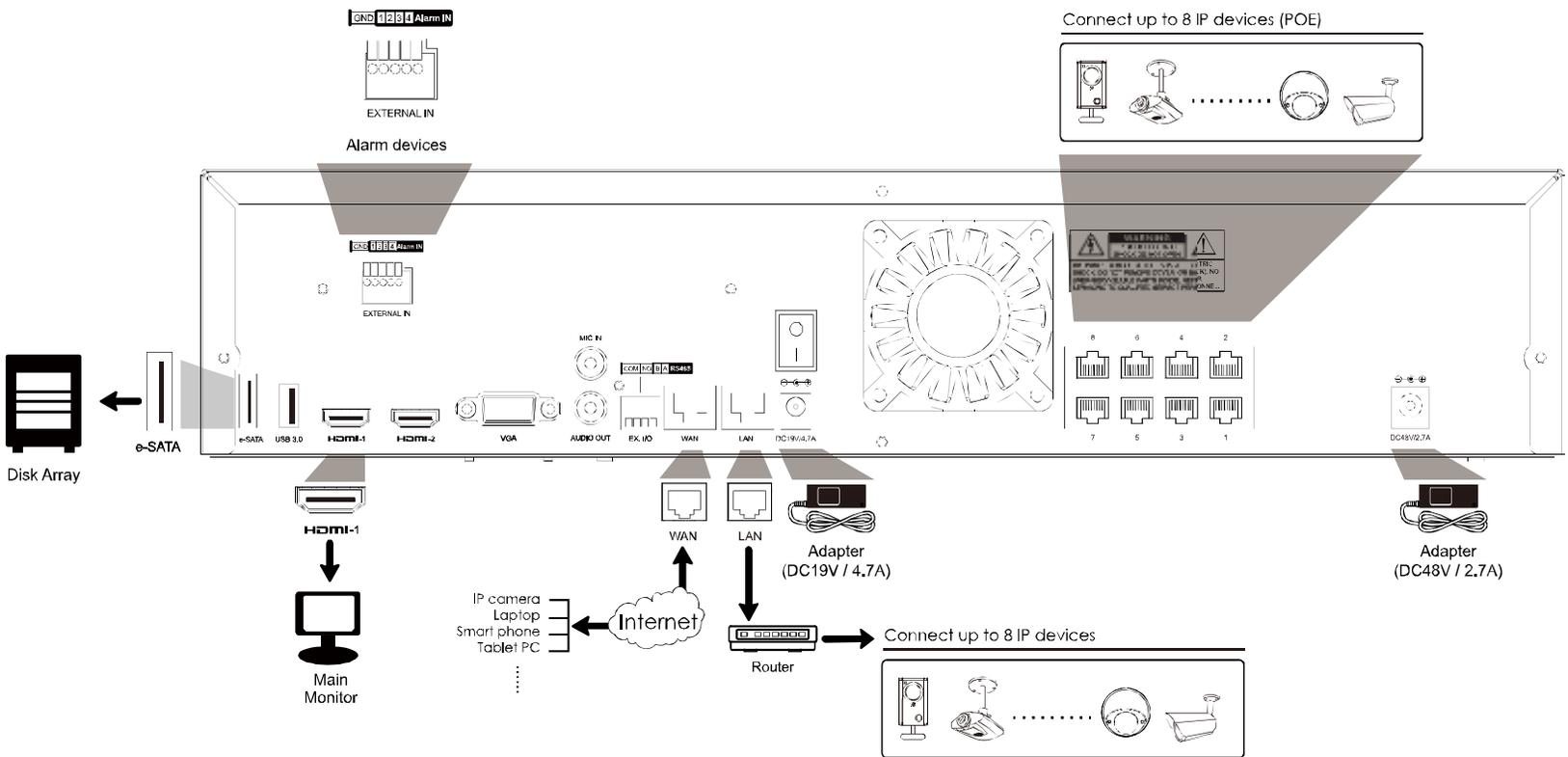
Connection

Connect a monitor, IP cameras, adapters, a mouse, and other devices necessary to this recorder as illustrated below.

■ Type 1



■ Type 2



Then, power on the whole system and wait till the system initialization is done.

Camera IP Configurations by LAN

The auto mode is used 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 / switch.

Note: SETTING Path: MENU → NETWORK → LAN → MODE.

Note: For access this recorder remotely with your mobile device or laptop, you need to connect this recorder to Internet. For details, please get the setup manual from the supplied CD or from www.surveillance-download.com/user/network_setup/network_setup_recorder.pdf.

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.
- The 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, reconfigure the IP address of the camera to 10.1.1.xx (xx ranges from 11 ~ 253), which is in the same network segment as the device.

- For other brand's IP camera, please check its user manual to know how to change the IP address manually.
- For our brand's IP camera, please check the instructions below:
 - a) Go to **MENU → CAMERA → CONNECTION**, and select **IP SEARCH** at the bottom right corner. You'll see the list of every connected IP camera with its connection status to this device and MAC address.

IP SEARCH										
ASSIGN	EDIT	DEVICE TYPE	IP	NETMASK	GATEWAY	PRIMARY DNS	PORT	MAC	VENDOR	
<input type="checkbox"/>		IPCAM	10.2.1.33	255.255.255.0	10.2.1.10	8.8.8.8	88	00:0E:53:31:06:E5	AVTECH	
							REFRESH	ADD		

- b) Select  (EDIT), and change the network type from **STATIC** to **DHCP**. Then, Click **APPLY** to save your changes.

SETUP	
NETWORK TYPE	DHCP
IP	10.1.1.14
PORT	88
USER NAME	Admin
PASSWORD	*****
NETMASK	255.255.255.0
GATEWAY	10.1.1.10
PRIMARY DNS	8.8.8.8
<input type="button" value="CANCEL"/> <input type="button" value="APPLY"/>	

- c) Check to assign the camera to a specific channel automatically, and choose **ADD**.

IP SEARCH											
ASSIGN	EDIT	DEVICE TYPE	IP	NETMASK	GATEWAY	PRIMARY DNS	PORT	MAC	VENDOR		
<input checked="" type="checkbox"/>		IPCAM	10.1.1.14	255.255.255.0	10.1.1.10	8.8.8.8	88	00:0E:53:31:06:E5	AVTECH		
							<input type="button" value="REFRESH"/>	<input type="button" value="ADD"/>			

- d) The device will then detect the IP camera and display images soon.

Note: To configure this recorder to access other IP camera connected remotely for live viewing or video backup, you need to connect this recorder to Internet first. For details, please get the setup manual from the supplied CD or from www.surveillance-download.com/user/network_setup/network_setup_recorder.pdf.

CHANGE USER NAME AND PASSWORD

It's highly recommended to change the user name and password of this device to keep your account safe. Otherwise, any person could access this device if he knows the default user name and password.

If you didn't go through the setting wizard at the first place, you'll be prompted to change the user name and password:

WARNING	
PLEASE BE ADVISED TO MODIFY THE DEFAULT ACCOUNT TO ENSURE YOUR INFORMATION SECURITY.	
<input checked="" type="radio"/> MODIFY <input type="radio"/> REMIND ME LATER <input type="radio"/> DON'T REMIND ME ANYMORE	
<input type="button" value="CONFIRM"/>	

Choose **MODIFY** to start the change immediately.

To change later, select **MENU** → **ACCOUNT** → **USER LIST**, and choose  to change the default user name and password for "admin".

USER LIST		
EDIT	USER NAME	GROUP
  	admin	SUPERVISOR