

NETWORK VIDEO RECORDER

Quick Guide

WRN-2110SB1

WRN-2110B1

WRN-2010S



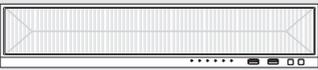
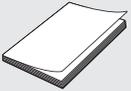
[Download Manual]

For more details about using the product, refer to the product's user manual.

Package Contents



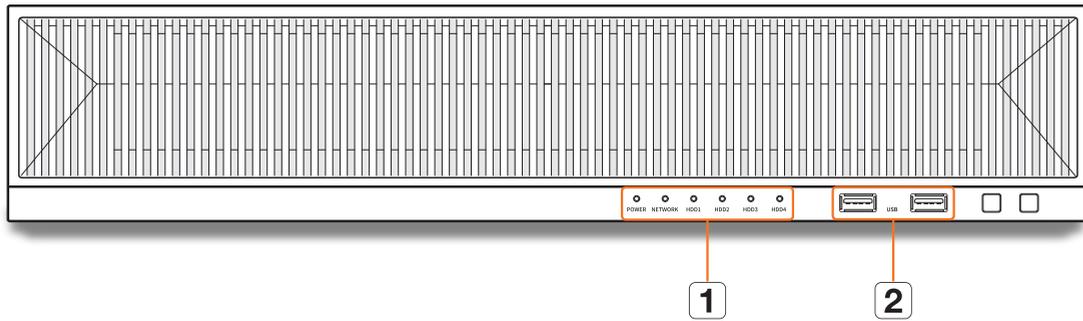
- The appearance of the components may differ from the image shown.
- Accessory category and quantity may differ depending on sales region.
- For some regions, HDD is not pre-installed. The numbers of HDD fixing screws and SATA cables vary depending on the fixed number of HDDs.

		
Recorder WRN-2110SB1/WRN-2110B1	Recorder WRN-2010S	Mouse
		
Quick Guide	Power Cable	Bracket Rack ①
		
Bracket Rack ②	SATA Power Cable ①	SATA Power Cable ②
		
SATA Data Cable	HDD Fixing Screw	Bracket Fixing Screw

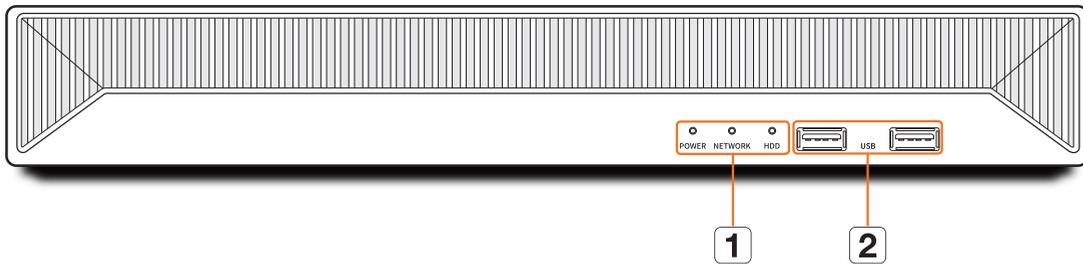
Parts	Model name	WRN-2110SB1 WRN-2110B1	WRN-2010S
Recorder		O	O
Mouse		O	O
Quick Guide		O	O
Power Cable		O	O
Bracket Rack ①		O (2 ea)	X
Bracket Rack ②		X	O (2 ea)
SATA Power Cable ①		O	X
SATA Power Cable ②		X	O
SATA Data Cable		O (4 ea)	O (2 ea)
HDD Fixing Screw		O (16 ea)	O (8 ea)
Bracket Fixing Screw		O (4 ea)	O (4 ea)

Part Names and Functions (Front)

WRN-2110SB1/WRN-2110B1



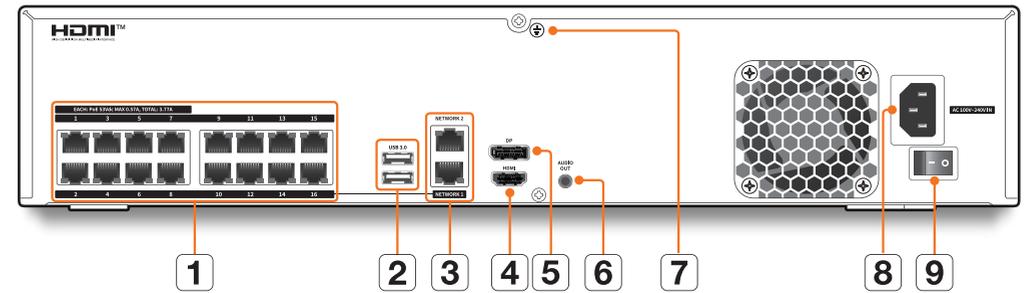
WRN-2010S



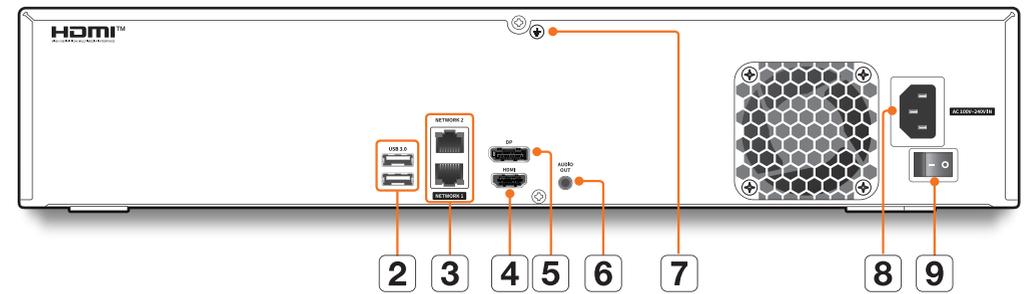
Name	Functions
1 LED Indicator	POWER : Shows the power ON/OFF status.
	NETWORK : Displays both network connection and data transfer status.
	HDD: Displays the connection status of the HDD. When the HDD is connected normally, the LED lights up.
2 USB	Connects the USB devices. (USB 2.0 supported)

Part Names and Functions (Rear)

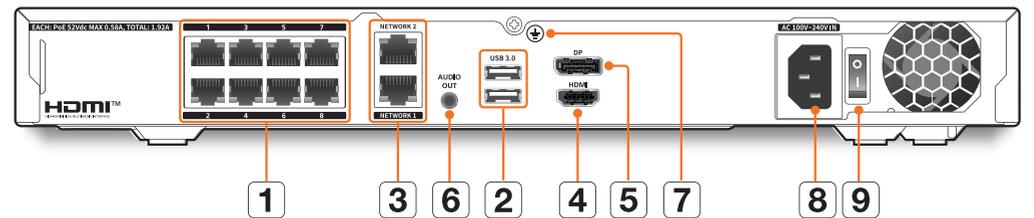
WRN-2110SB1



WRN-2110B1



WRN-2010S



Name	Functions	
1 PoE	Supply power to the camera.	
2 USB 3.0	Terminal that connects a USB type device.	
3	NETWORK 1	Terminal used to connect a camera and receive video signals from the camera.
	NETWORK 2	Terminal that is recommended for network connection and access to the Web Viewer.
4 DP	DP connector port.	
5 HDMI	HDMI connector port.	
6 AUDIO OUT	Audio output port.	
7 Ground Connection	Port for connecting a separate ground cable. For safe handling of the device, please add a ground wire.	
8 Power	Terminal to connect power to.	
9 Power Switch	Power on/off switch.	



- When connecting the AC power cord or turning on the power switch, there may be a luminous (light) phenomenon inside the SMPS. This phenomenon is the normal operation of the SMPS protection element.

Installing the HDD

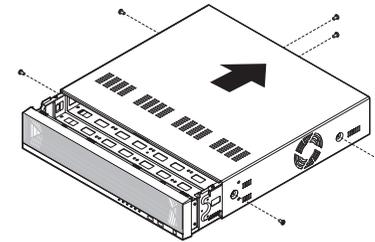


- If you are adding a new or previously used HDD to this product in addition to the HDD(s) originally installed, format the new HDD manually in the product before use.
- For replacement or installation of an additional HDD, you must contact your dealer or our customer center.

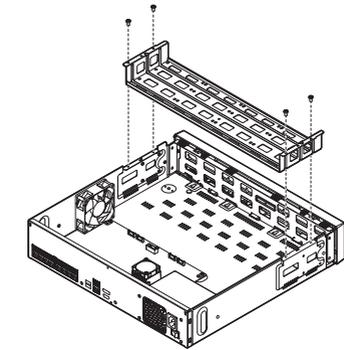
WRN-2110SB1/WRN-2110B1

- It is an example of the WRN-2110SB1 model.

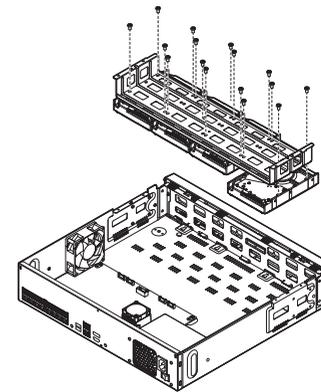
- Remove the screws from the left/right sides and back side, and push the cover back to release it.



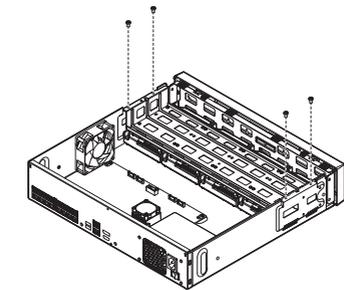
- Remove the screws from the left/right sides and release the bracket.



- Mount an HDD into the bracket, and fix it using screws.

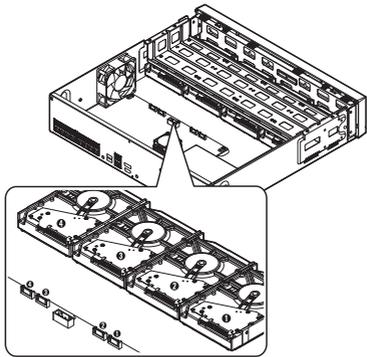


- Fix the HDD-mounted bracket to the recorder using screws.



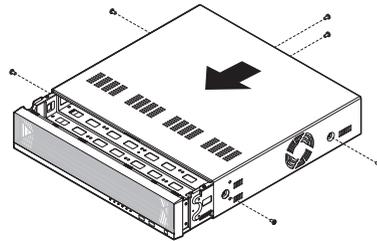
5 Connect the SATA/power cable of the HDD to the connector of the main board.

- Refer to the figure below for the HDD location number and connector number.



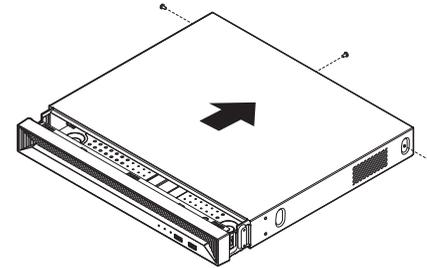
6 Make sure that there is no problem in the connection port and routing inside the recorder, and then fix it using screws after closing the cover.

- When closing the cover, be careful not to damage the cable.



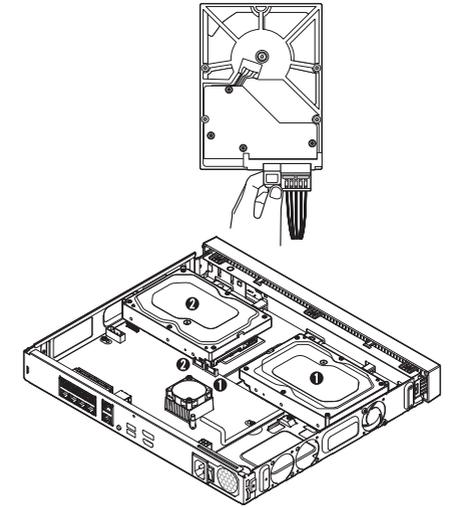
WRN-2010S

1 Remove the screws from the left/right sides and back side, and push the cover back to release it.



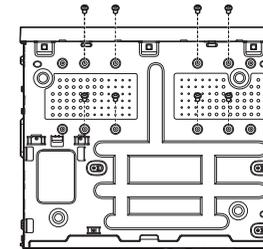
2 Connect the SATA/power cable of the HDD to the connector of the main board.

- Refer to the figure below for the HDD location number and connector number.



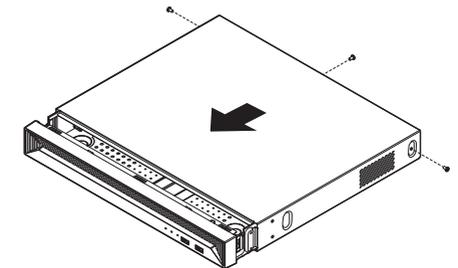
- ! Gently press the connector before removing the HDD. Do not force to pull the cable.

3 Use the screws to fix the HDD to the bottom of the recorder.



4 Make sure that there is no problem in the connection port and routing inside the recorder, and then fix it using screws after closing the cover.

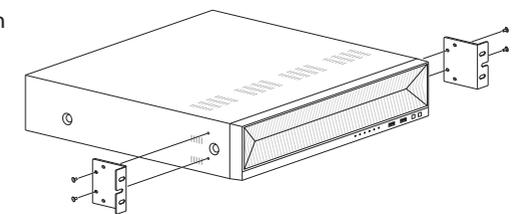
- When closing the cover, be careful not to damage the cable.



Installing the Rack

Install the Bracket-Rack as shown in the figure, and then fasten the screws on both sides.

- Fix the T screw not to be loosened by vibrations.



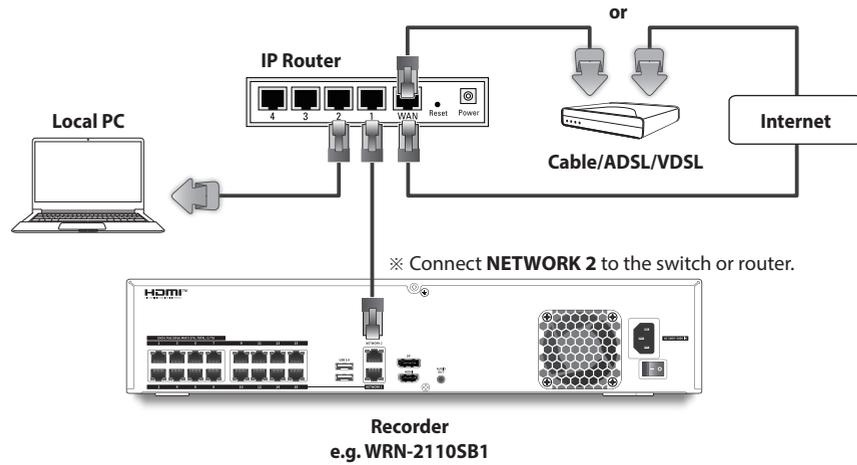
e.g. WRN-2110SB1

Connecting to the Network using a Router

If you want to add 1-3 PCs and recorders in an environment using xDSL/Cable modem, you can use the router with only one Internet line.

This guide is an installation guide for network beginners. Follow the instructions to set up your router, local PC, and recorder.

Connecting the cable



Connecting a router with PC



Refer to the router's user manual.

Connecting a recorder and a router

If the switch or router connected to **NETWORK 2** already has a DHCP server, the recorder's IP is automatically assigned by the DHCP server. However, to set the IP manually, see the following instructions.

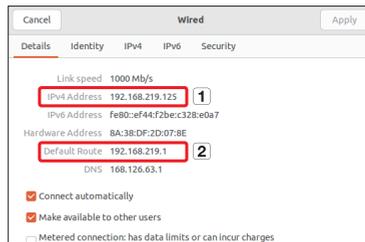
In the network settings menu of the recorder, set the **1** IP address and **2** gateway.

※ The **<Default gateway>** checked in the [cmd.exe] window of the local PC and the **<Gateway>** of the recorder must be the same.

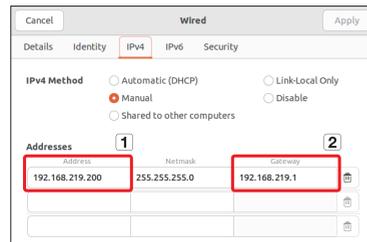
※ The first three numbers of the recorder **<Address>** should match the first three of the **<Default gateway>** checked in the [cmd.exe] window of the local PC.



Local PC cmd screen
e.g. Windows



Local PC Window screen
e.g. Ubuntu



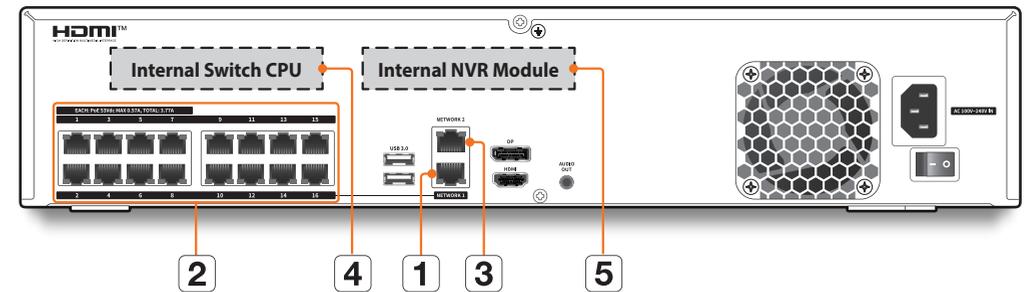
e.g. Recorder screen

Network Setting

When connecting this product to the network, first change the IP addresses for the internal switches and WebUI port. You can avoid IP address conflicts between different video devices connected to the same website.

Set the IP addresses for internal switches of each video device and WebUI port within the same IP subnet, and use unique IP addresses. It is recommended to change the IP addresses for all video devices rather than using the default IP address for only a single video device. By using unique IPs, you can use a separate subnet for each video device or use all video devices within a single subnet.

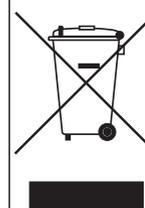
Setting the default IP address



Module	Place	IP	Description
ETH0	1 NETWORK1	192.168.1.200	NVR IP to communicate with NETWORK1 & PoE 1 to 16 (8) (especially cameras).
	2 PoE 1 to 16 (8)		
ETH1	3 NETWORK2	DHCP	NVR IP for Internet or other camera networks.
Internal switch CPU	4 Internal	223.223.223.1	You can check the information of the switch by access to the web.
Internal NVR module	5 Internal	223.223.223.200	NVR module can set the IP of the switch module by access to the web.



Hanwha Vision cares for the environment at all product manufacturing stages, and is taking measures to provide customers with more environmentally friendly products. The Eco mark represents Hanwha Vision's devotion to creating environmentally friendly products, and indicates that the product satisfies the EU RoHS Directive.



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.



Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

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Warranty

Please check "Product warranty information" from our website.
<https://www.hanwha-security.com/support/warranty/>

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