

IP Controller

Quick Guide

NHP-P400



PRODUCT FEATURES

This product provides highly reliable hardware and a web-based open platform application that is easy to use and not restricted to specific locations.

The open platform application delivers optimal solutions by providing easy settings for remote monitoring and efficient entrance and exit management.

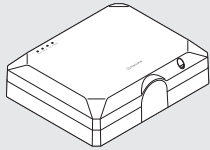
It is equipped with a stable, high-performance processor, high-capacity memory, relays, and input/output ports.

This device supports data transmission and power supply through Ethernet cables, ensuring easy installation and scalability.

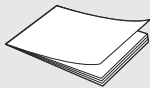
- Supports Wiegand and OSDP readers
- Supports up to 8 reader connections (OSDP readers)
- Supports 10 supervised inputs
- Supports 8 additional unsupervised inputs if all readers are in OSDP mode
- Supports both dry (voltage-free) and wet (powered) contact outputs
- IP-based access control and alarm input/output management
- Supports 12V/24V DC power and PoE++ (Power over Ethernet) for simplified installation.
(For more information, see the Product Specifications.)
- Compatible with ONVIF Profile A and ONVIF Profile C
- UL294 and UL2043 certification

PACKAGE CONTENTS

- 
- The appearance of the components may differ from the image shown.
 - Accessory category and quantity may differ depending on sales region.



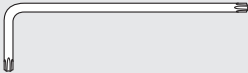
IP Controller



Quick Guide



Wiring Guide

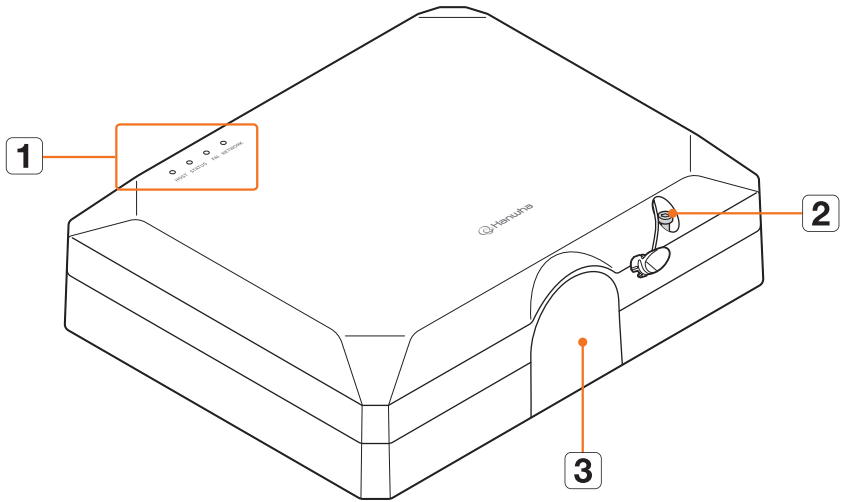


Torx L Wrench



Wire for FAI connection

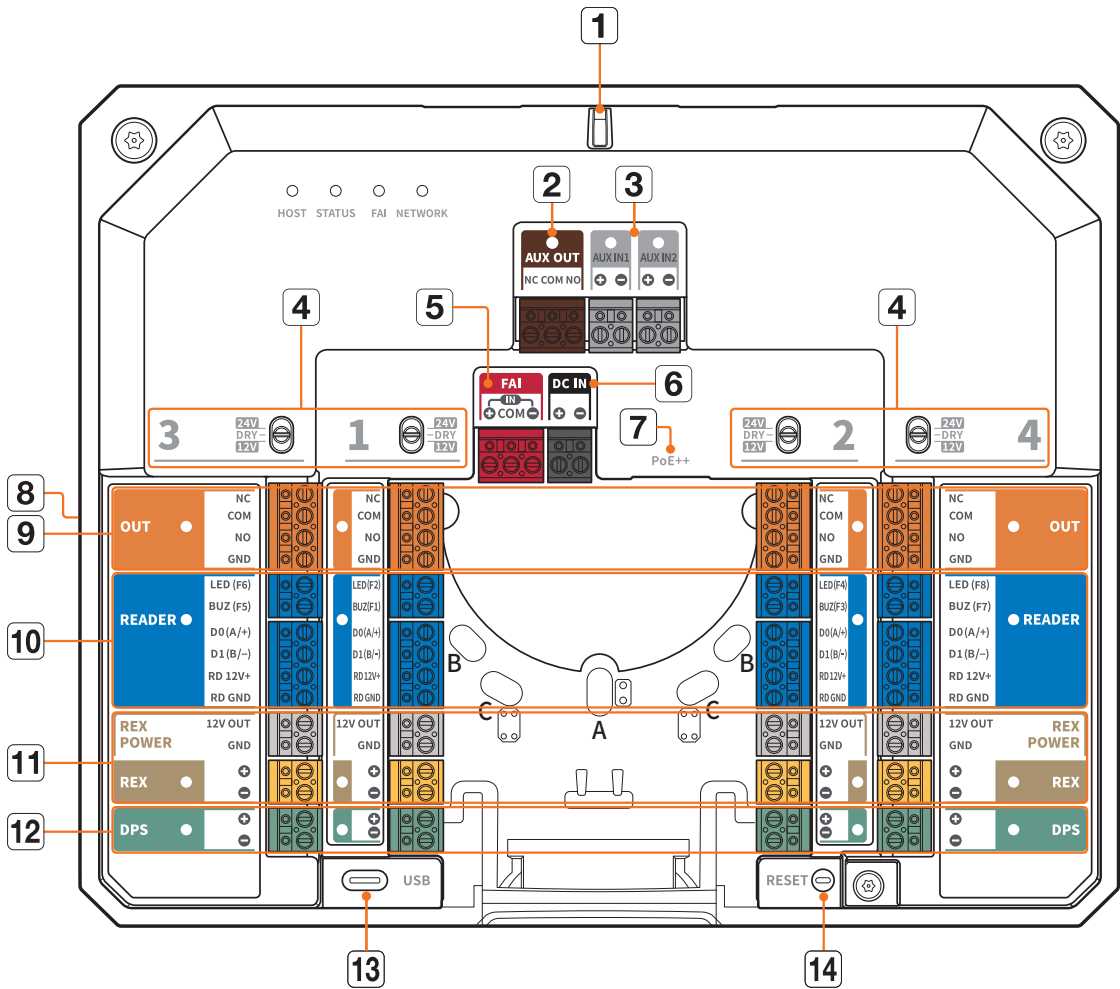
EXTERNAL PART NAMES AND FUNCTIONS



Name		Functions
1	LED Indicator	HOST: Displays the connection status of the server.
		STATUS: Displays the normal operation status of the device.
		FAI (Fire Alarm Input): Lights up when a fire alarm input is detected.
		NETWORK: Blinks when connected to Ethernet.
2	Screw	Remove the screw to open the top cover.
3	Conduit connection cover	If necessary, remove the cover to connect an electrical conduit (1-1/4").

INTERNAL PART NAMES AND FUNCTIONS

NHP-P400



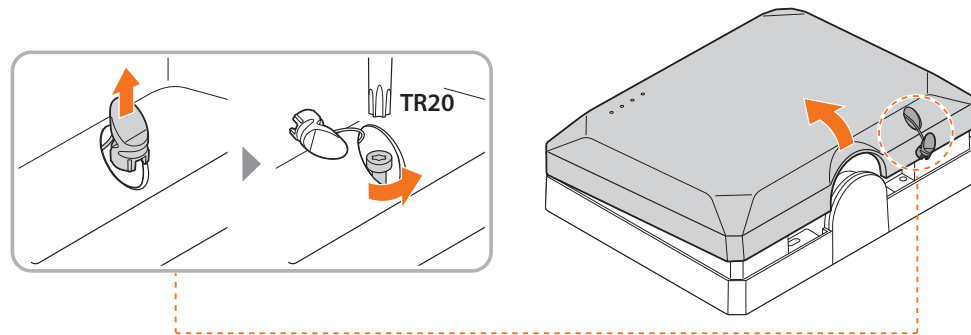
Name		Functions
1	Top cover tamper	Detects whether the IP Controller's top cover has been removed.
2	AUX OUT	Terminal for connecting alarm outputs; supports dry (voltage-free) contact output only.
3	AUX IN1 / AUX IN2	Terminal for connecting alarm inputs.
4	24V DRY 12V	Switch for selecting between dry (voltage-free) and wet (powered) contact outputs. 24V / 12V: Select the appropriate voltage when using wet (powered) contact output. - DRY: Select when using dry (voltage-free) contact output. - When using PoE++ power only, Door 3 and Door 4 support dry (voltage-free) contact outputs only.
5	FAI	Terminal for connecting to the fire alarm panel.
6	DC IN	Terminal for connecting power.
7	PoE++	Terminal for network connection; supports PoE++.
8	Controller body tamper	Detects whether the IP Controller body has been removed from the mount plate. (Located on the rear of the device)
9	OUT	Terminal for relay output.
10	READER	Terminal for connecting the reader. - LED (F2) / LED (F4) / LED (F6) / LED (F8): Connects to the LED terminal of the reader. - BUZ (F1) / BUZ (F3) / BUZ (F5) / BUZ (F7): Connects to the buzzer terminal of the reader. - D0 (A/+): Connects to the D0 (A/+) terminal of the reader. - D1 (B/-): Connects to the D1 (B/-) terminal of the reader. - RD 12V+ / RD GND: Terminal for providing power to the reader. Connects to the power input terminal of the reader.
11	REX POWER REX	Terminal for connecting Request-to-exit (REX) buttons and passive infrared (PIR) sensors. 12V OUT: Terminal for providing power to the PIR sensor. - GND: Terminal for connecting the ground wire. +/-: Terminal for connecting Request-to-exit buttons.
12	DPS	Terminal for connecting the door position sensor.
13	USB	Terminal for connecting USB devices. (USB 2.0 supported) For maintenance and service operations only.
14	RESET	Hold for more than 5 seconds to reset the device to its factory default settings.

INSTALLATION AND CONNECTION

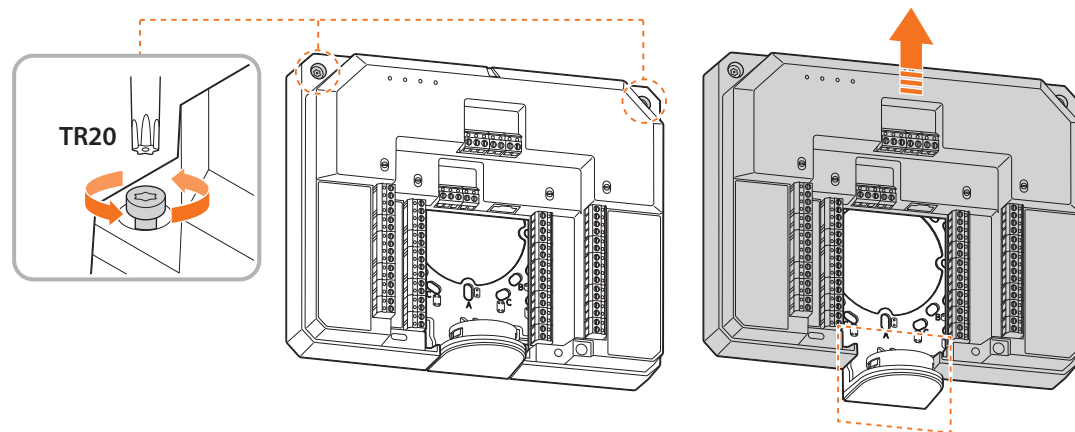
Check the following matters before installing the product.

- Use this product in compliance with local laws and regulations.
- If you want to use the product outdoors or in an outdoor-like environment, contact the service center.
- Do not attempt to repair the product yourself; contact the service center first.
- Do not apply shock, strong pressure, vibration to the product.
- Do not install the product on a surface with vibration and unstability or walls.
- To prevent injury, this product must be securely attached to the Wall/ceiling in accordance with the installation instructions.

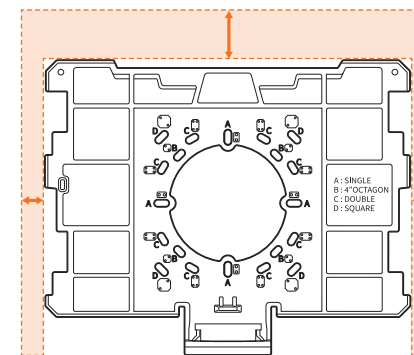
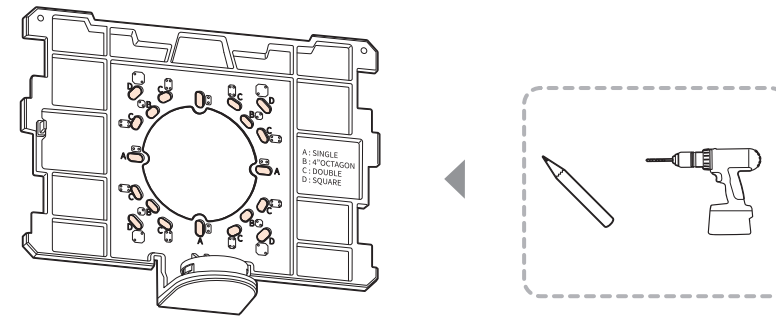
1 Removing the top cover



2 Removing the controller body



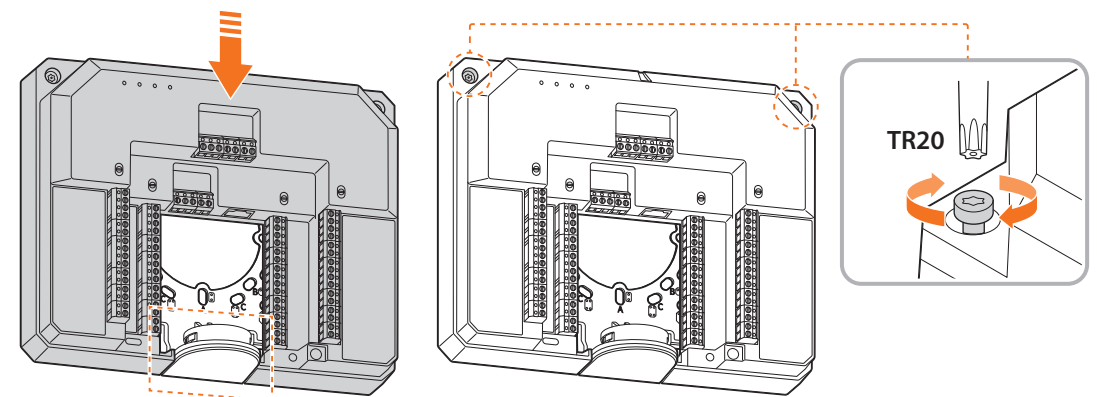
3 Fixing the mount plate onto the installation surface



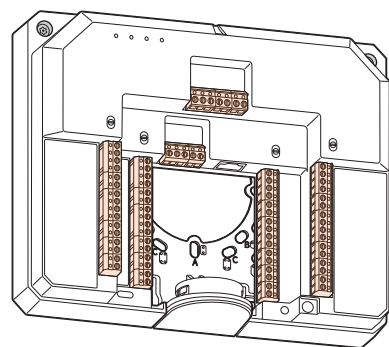
When securing the mount plate, please check the following:

- To assemble the controller body and top cover properly, make sure there is a minimum clearance of 2" (50.8 mm) above and 1" (25.4 mm) on both sides.
- Use screws with a head height of 1.65" (4.2 mm) or less.

4 Assembling the controller body

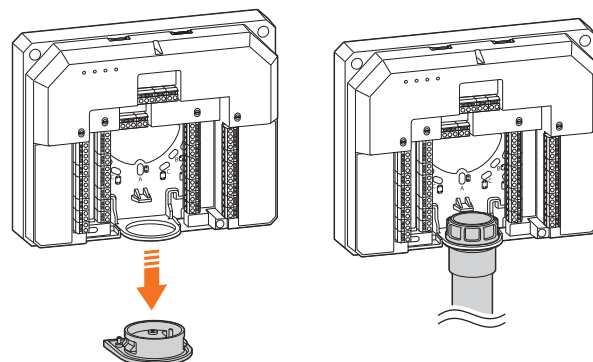


5 Connecting the cables



※ For conduit pipe (1-1/4") use

- Use nuts with an outer diameter of 2.08" (52.8 mm) or less.

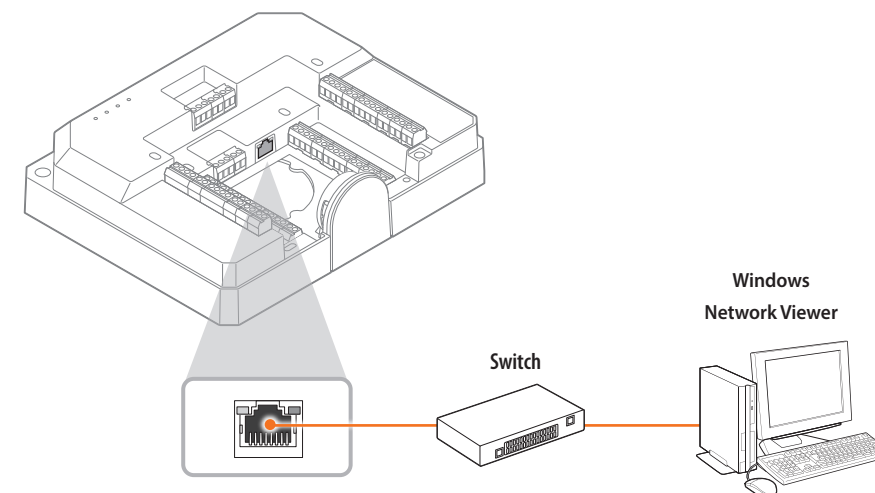


- For more information about connection, see the Wiring Guide.

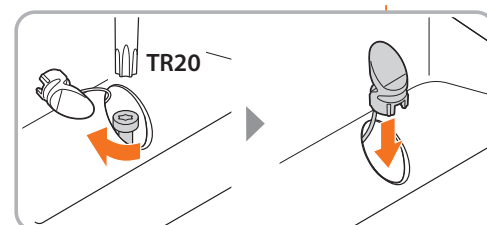
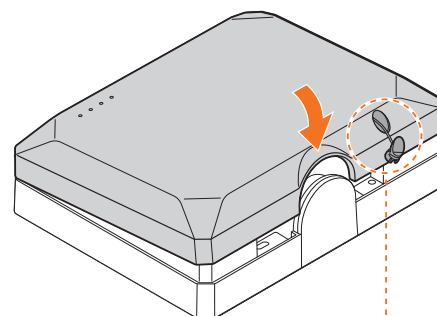
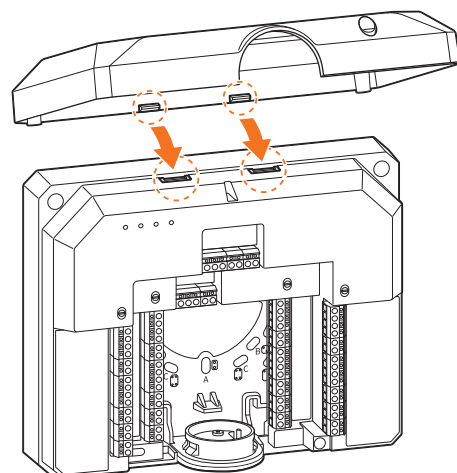
CONNECTING TO A NETWORK

- For more information about network connection, see "Network Configuration" in the User Manual.

Connecting to a Network via Ethernet (10/100/1000BaseT)



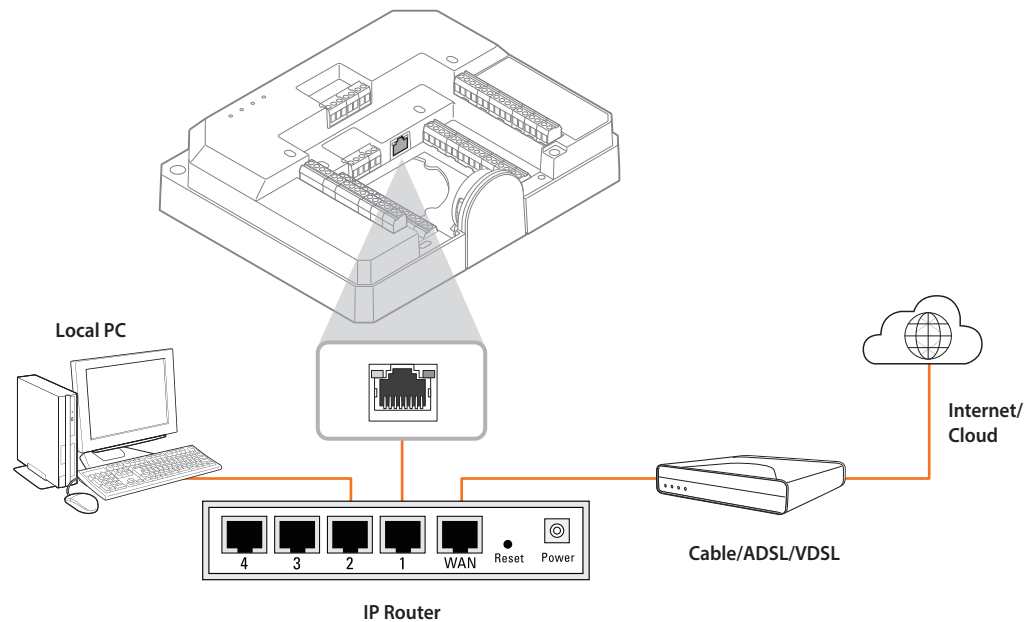
6 Assembling the top cover



Connecting to a Network Using a Router

If you want to use a PC and IP Controller in an environment using an xDSL/cable modem, you can use a router with only one Internet line.

This guide is an installation guide for network beginners. Set up the router, local PC, and IP Controller according to the instructions.



Connecting the Router to a PC



- Refer to the router's user manual.

Connecting the IP Controller to the Router

In the IP Controller's "Basic > IP & Port" menu, configure the <IP address> and <Gateway>.

- ※ The <Default gateway> checked in the [cmd.exe] window of the local PC and the <Gateway> of the IP Controller must be the same.
- ※ The first three numbers of the IP Controller's <IP address> should match the first three of the <Default gateway> checked in the [cmd.exe] window of the local PC.

```
C:\Users\User>ipconfig
Windows IP Configuration

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix  . : kornet
    Local IPv6 Address . . . . . : fe80::b0a0:30a0:7718:b425:118
    IPv4 Address. . . . . : 192.168.219.192
    Subnet mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.219.254

C:\Users\User>
```

<cmd screen>

IP type	Manual
MAC address	00:09:18:E2:75:0C
IP address	192.168.219.123
Subnet mask	255.255.255.0
Gateway	192.168.219.254

<IP Controller screen>

CHECKING THE IP ADDRESS

The IP address of the IP Controller, required to access the web viewer, can be checked in "Wisenet Device Manager". "Wisenet Device Manager" can be downloaded and installed from the Hanwha Vision website (www.HanwhaVision.com) by going to the "Support > Tools" menu.

1. Start the "Wisenet Device Manager".
2. Click <Search> to display the connected device list.
3. Check the IP address of the IP Controller on the list.

SETTING THE PASSWORD

When accessing the web viewer for the first time or after performing a factory reset, you must set a password for the IP Controller.

1. Open a web browser and enter the IP Controller's IP address in the address bar.
2. Enter the administrator account password and click <Apply>. Check the password policy.

Change administrator password

New password

Confirm new password

- If the password is 8 to 9 characters long, it must include at least 3 of the following character types: English uppercase letters, English lowercase letters, numbers, and special characters. (support up to 64 characters)
- If the password is 10 characters or longer, it must include at least 2 of the following character types: English uppercase letters, English lowercase letters, numbers, and special characters.
- ID may not be used as password. The password and ID cannot be identical.
- The following special characters can be used: ~!@#\$%^&*()_+={}|\'";'<>.,?/
- You may not use more than 4 consecutive characters. (example: 1234, abcd, etc.)
- You may not use the same character 4 or more times consecutively. (example: !!!!, 1111, aaaa, etc.)

Apply



- Make sure to memorize your password or record it so you don't forget it.

CONNECTING THE WEB VIEWER

1. Open a web browser and enter the IP Controller's IP address in the address bar.
The Sign In page appears.
2. Enter the <Username> and <Password>, then click <Sign in>.
 - **Username:** Enter <admin>.
 - **Password:** Enter the password you set.

Sign in to access this site

Authorization required by http://172.30.1.51
Your connection to this site is not secure

Username

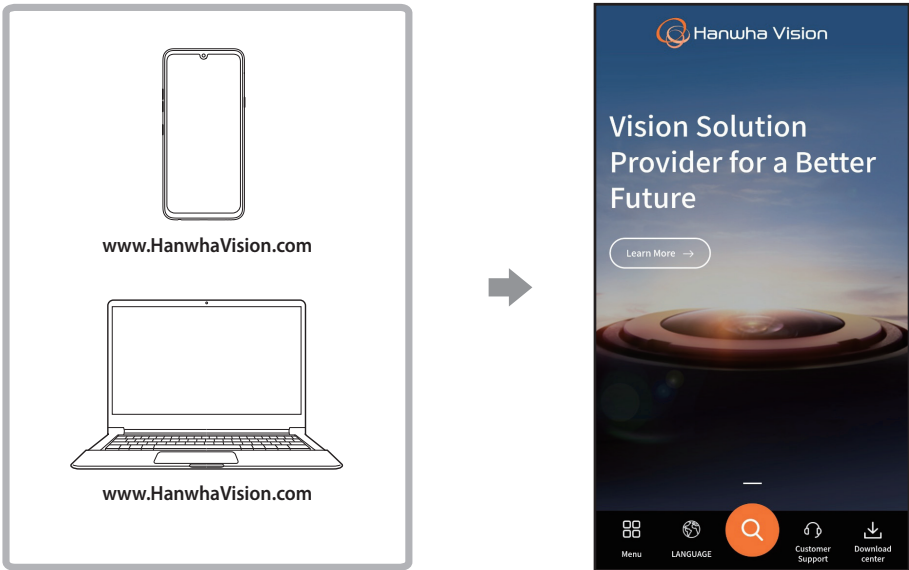
Password

Sign in

Cancel

CHECKING THE PRODUCT INFORMATION

You can check the product information/manual/firmware information/FAQs on the homepage or via the mobile website on your smartphone.



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.

