

# Quick Guide

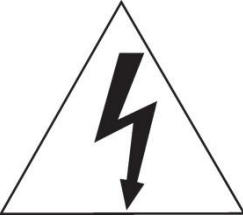

## 4K Decoder

*Please read this manual thoroughly before use and keep it handy for future reference.*

## WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

## CAUTION

	<table border="1"><tr><td><b>CAUTION</b></td></tr><tr><td>RISK OF ELECTRIC SHOCK DO NOT OPEN</td></tr></table>	<b>CAUTION</b>	RISK OF ELECTRIC SHOCK DO NOT OPEN	
<b>CAUTION</b>				
RISK OF ELECTRIC SHOCK DO NOT OPEN				
<p>WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</p>				

## EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

## FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC INFORMATION:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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

This Class A digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

## CE COMPLIANCE STATEMENT

### WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.  
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

# IMPORTANT SAFETY INSTRUCTIONS

---

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **CAUTION – THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.**
16. **Use satisfy clause 2.5 of IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.**
17. ITE is to be connected only to PoE networks without routing to the outside plant.



# Table of Contents

Table of Contents .....	1
1. Overview .....	3
1.1 Package Contents .....	4
1.2 Decoder Description .....	4
2. Installation .....	6
2.1 Starting System .....	6
2.2 Quick Setup .....	7
2.2.1 Account .....	7
2.2.2 System .....	8
2.2.3 Network .....	9
2.2.4 Time/Date .....	9
2.2.5 Easy Installation Wizard .....	10
3. Live Screen Configuration .....	11
3.1 Icons in Live screen .....	12
3.2 Quick menu .....	13
3.2.1 Channel Assign .....	14
4. Setup menu .....	15
4.1 General buttons in Setup menu .....	
4.2 SYSTEM .....	
4.2.1 System .....	
4.2.2 Time/Date .....	
4.2.3 Account > User .....	
4.2.4 Configuration (Config) .....	
4.3 CAMERA .....	
4.3.1 Channel .....	
4.4 DEVICE .....	
4.4.1 Display .....	
4.4.2 Serial Device .....	
4.5 EVENT .....	
4.5.1 Alarm In .....	
4.5.2 Motion .....	
4.5.3 Video Loss .....	
4.6 NETWORK .....	
4.6.1 Basic .....	
5. Web Setup .....	16
5.1 Log In .....	16

5.2	General buttons in Setup menu .....	17
5.3	SYSTEM .....	
5.3.1	System .....	
5.3.2	Time/Date.....	
5.4	CAMERA .....	
5.4.1	Channel Assign .....	
5.5	DEVICE.....	
5.5.1	Display.....	
5.5.2	External .....	
5.6	EVENT .....	
5.6.1	Alarm In .....	
5.6.2	Motion .....	
5.6.3	Video Loss.....	
5.7	NETWORK .....	
5.7.1	Basic .....	
6.	Product Specification .....	

# 1. Overview

This chapter describes device overview, components and their terms and features.

This product is a device that displays images transmitted from an IP camera on monitor.

The device features include the following:

- Convenient UI from user's viewpoint
- 16 IP camera input
- Providing H.264, H.265 compression
- Support dashboard display
- 4K resolution support
- Remote control through a network or local monitor

## 1.1 Package Contents

The device package contents consist of the following:

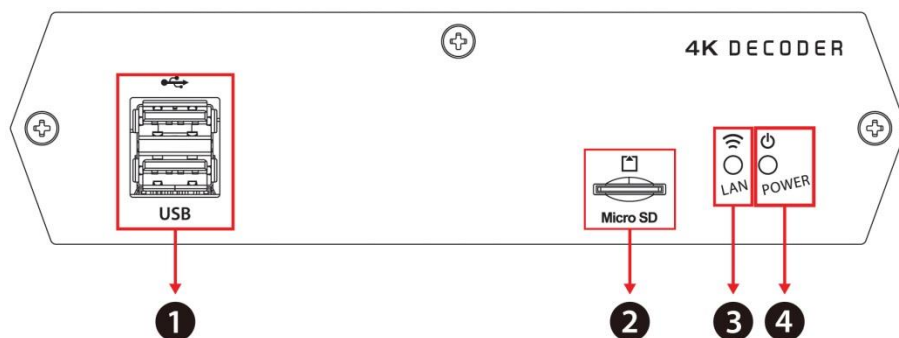
 **Note** Please check all components involved.

**Table 1-1 Package contents**

No	Name	No	Name
1	Decoder	2	Mounting Bracket
3	DC 12V Adaptor	4	Bracket fixing screw
5	Quick guide	6	Program CD

## 1.2 Decoder Description

Each part is listed in the below:

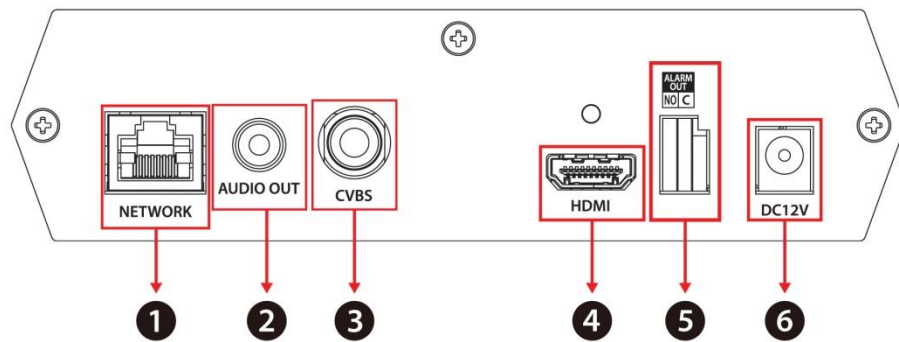


**Figure 1-1 Name and Connection of each front section**

**Table 1-2 Name and Function of each front section**

No.	Name	Function
1	USB port	USB port is connected for USB mouse or firmware upgrade.
2	Micro SD	Store media file.
3	LAN LED	Pointing out network in connection.
4	Power status LED	Pointing out device on/off.
5	USB port	USB port is connected for USB mouse or firmware upgrade, and data back-up.





**Figure 1-2 Name and Connection of rear section**

**Table 1-3 Name and Function of rear section**

No.	Name	Function
1	NETWORK	Network connector for IP Camera and CMS.
2	AUDIO OUT	Audio output port.
3	CVBS	CVBS(Spot Video) output port.
4	HDMI	HDMI output port.
5	ALARM OUT	Alarm output connector.
6	DC12V	Power supply connector.

## 2. Installation

You can fix the product on the wall using the supplied bracket.

Refer to the drawing below for the hole position of the bracket.

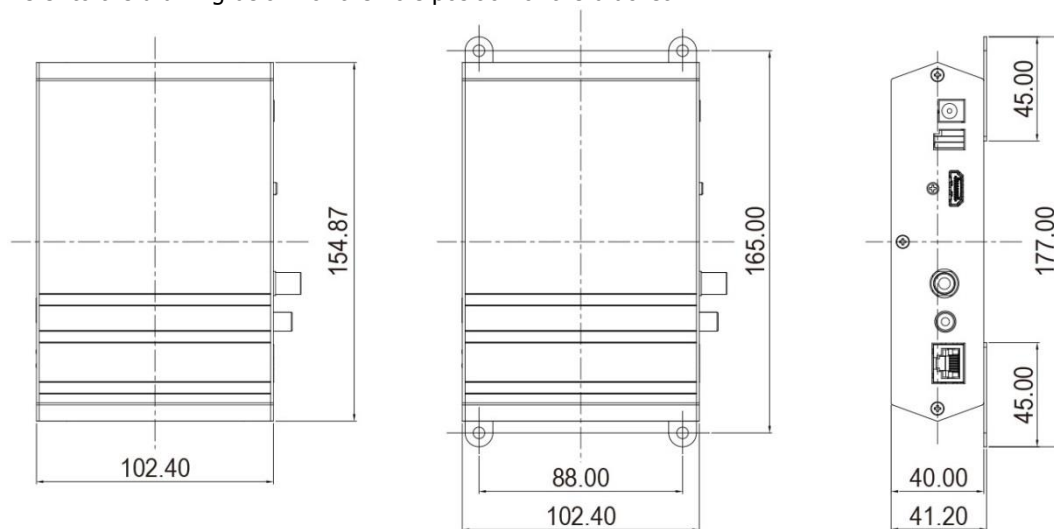


Figure 2-1 Dimension

### 2.1 Starting System

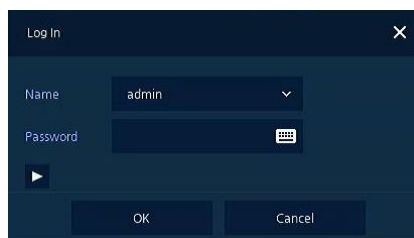
Power supply begins with system operation as follows:

- 1 Switching on initialize with below icons in order.



- 2 With buzzer sounds, the start screen is presented.

- 3 In **Log in** screen, enter the **ID**, **Password** and press **OK**.



---

**Note** Default **ID & Password** is admin/admin.

---

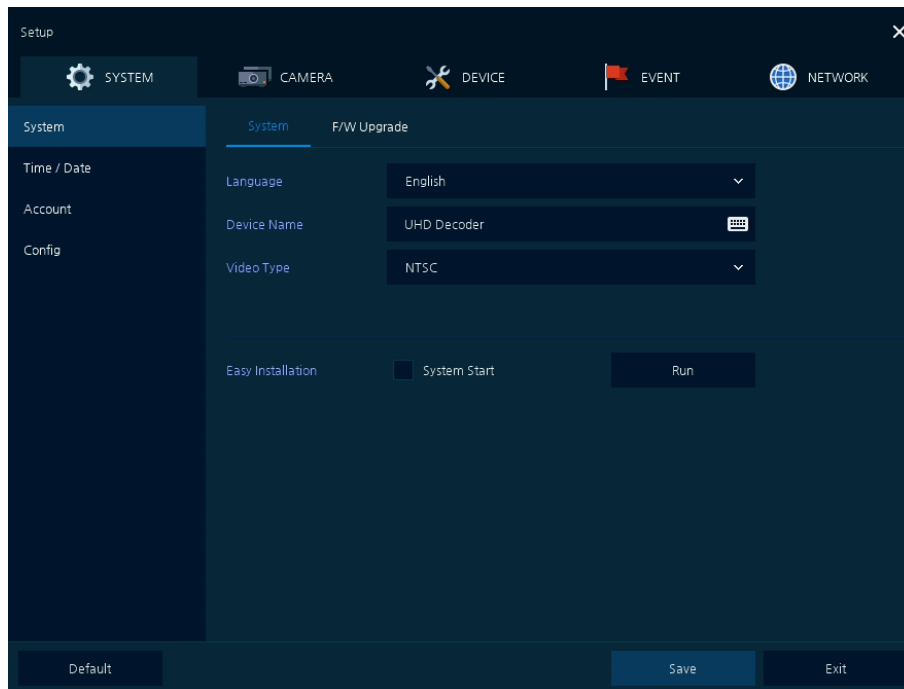


Please change password after login due to security.

---

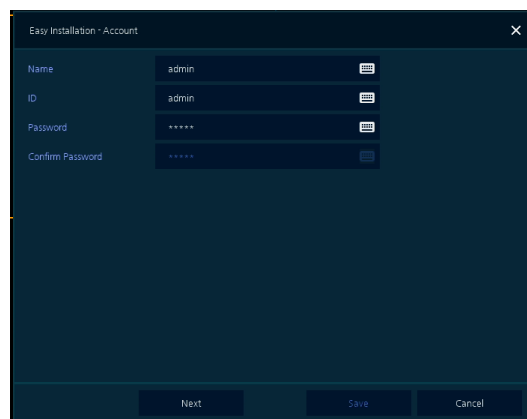
## 2.2 Quick Setup

Select to **Run** for easy installation.



### 2.2.1 Account

1 Set **ID** and **Password**.



---

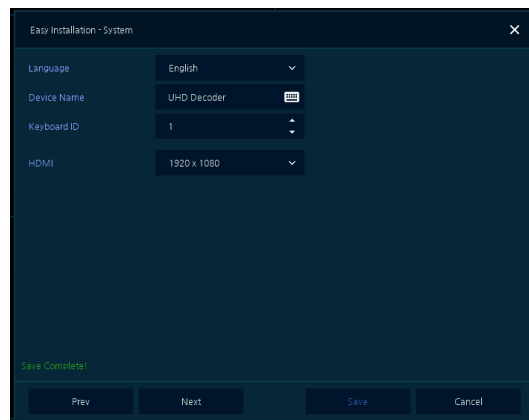
#### Note

- Default ID/Password is admin/admin.
  - Change the password for security.
-

## 2.2.2 System

How to set the system of Easy Installation:

- 1 Set each item in **System** setting screen.

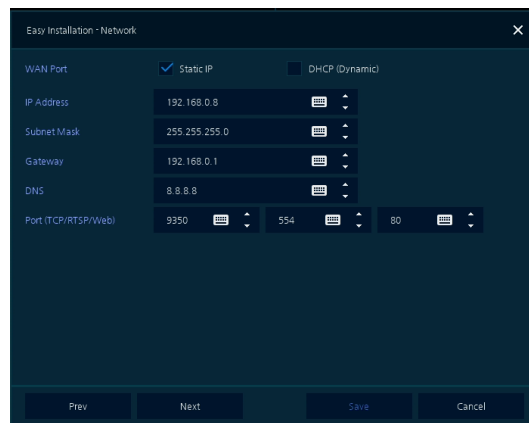


- Language: Select system language.
  - Device Name: Enter the device name.
  - Keyboard ID: Default keyboard ID is 1.
  - HDMI: Set resolution of a monitor connected to the device.
- 2 Press **Save** button to save set value.
  - 3 Press **Next** to end System setting and move the next setting phase.

## 2.2.3 Network

How to set the network of Easy Installation:

- 1 Set each item in **Network** setting screen.

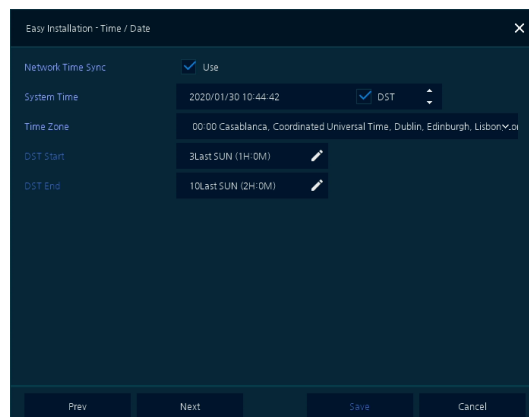


- WAN Port: Select whether to use static IP or dynamic IP.
  - IP Address, Subnet Mask, Gateway, DNS, Port, and RTSP port server: As for dynamic IP, enter information in each space.
- 2 Press **Save** button to save set value.
  - 3 Press **Next** to end Network setting and move the next setting phase.

## 2.2.4 Time/Date

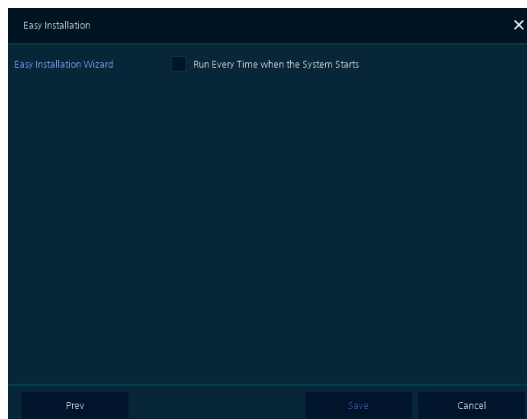
How to set the time/date of Easy Installation:

- 1 Set each item in **Time/Date** setting screen.



- Network Time Sync: Select network for synchronizing with time server.
  - System Time: Not for synchronizing with network time server, set the device time; otherwise (applying for Daylight saving time), select DST.
  - Time Zone: Select time zone for the system being installed.
  - DST Start/End: For applying Daylight saving time, set the application period.
- 2 Press **Save** button to save set value.
  - 3 Press **Next** to end Time/Date setting and move the next setting phase.

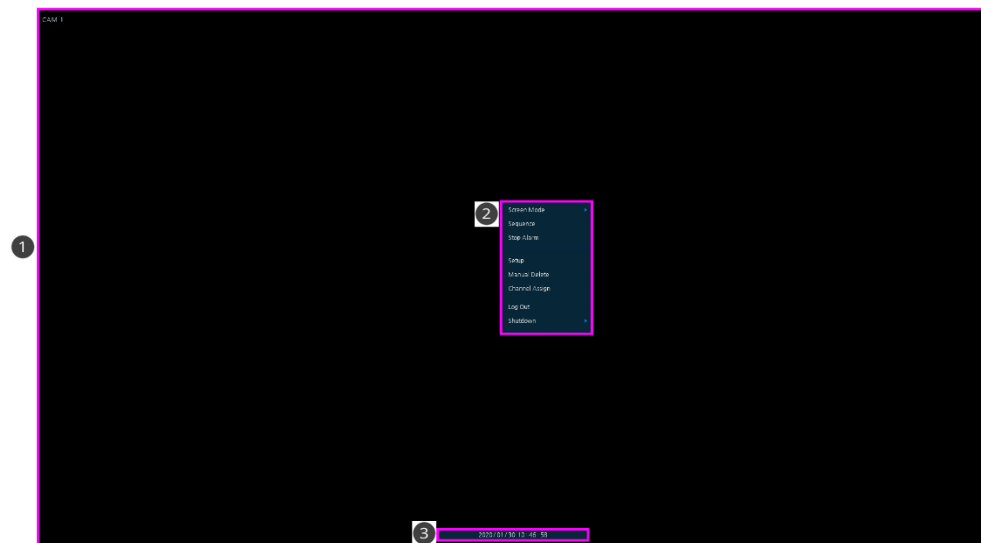
## 2.2.5 Easy Installation Wizard



- 1 Select to run Easy Installation every time when the system start.
- 2 Press **Save** button to save set value and end Easy Installation.

### 3. Live Screen Configuration

UI screen is configured like below figure.



**Figure 3-1 UI Screen Configuration**

**Table 3-1 Items and Description of UI Screen Configuration**

No.	Item	Description
1	Live screen	Show live video of connected cameras.
2	Quick menu	Clicking the right button of a mouse displays Quick menu. See “3.4 Quick Menu” to display detailed information about the quick menu.
3	Time / Date	Display time and date.

## 3.1 Icons in Live screen

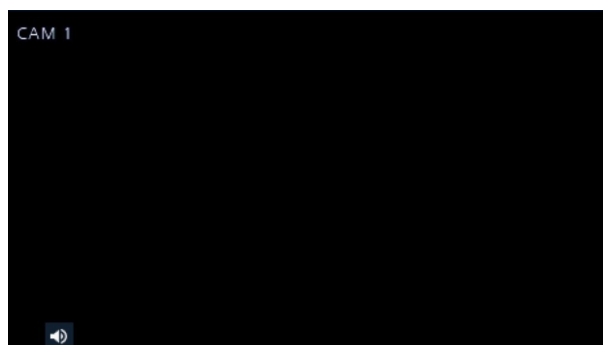
Each icon in the live screen displays a present setting status or a function. UI screen consists of like below.

---

**Note**

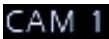

Chosen live screen is marked as a blue frame; mouse-located live screen is marked as yellow one.

---



**Figure 3-2 Live screen icon**

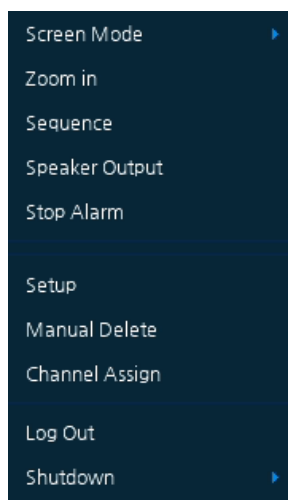
**Table 3-2 Live screen icon and its description**

No.	Icon	Description
1		Display channel number.
2		Speaker on/off.



## 3.2 Quick menu

This chapter depicts Quick menu when users click the right button of the mouse in live screen.



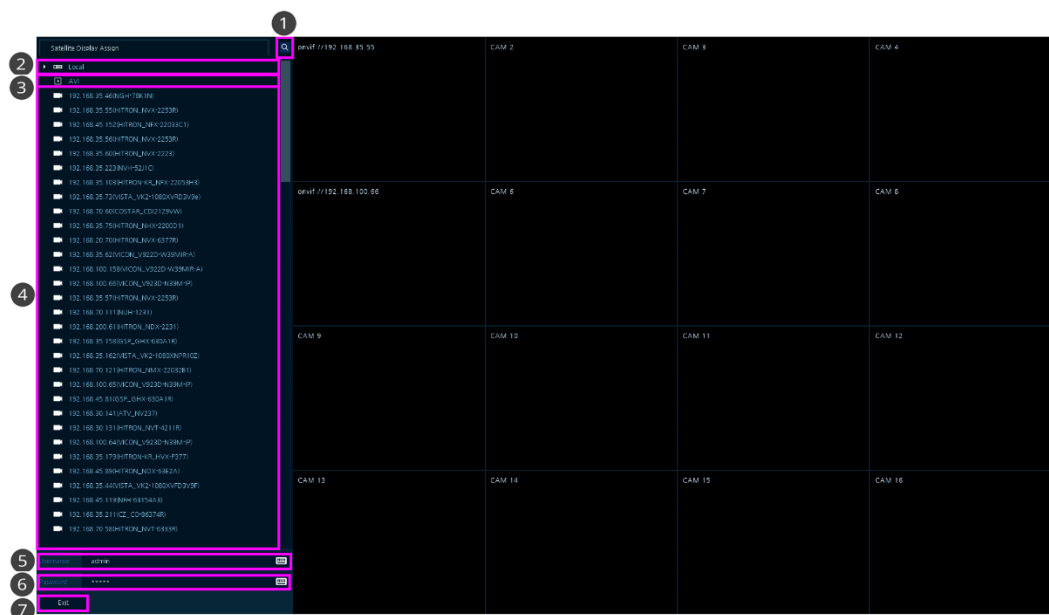
**Figure 3-3 Quick menu**

**Table 3-3 Quick menu Item and Description**

No.	Item	Description
1	Screen Mode	Selecting the partition mode of live screen. (Full, 2X2, 1+7, 3X3, 2+8, 4x4, PIP and Save Sequence) User can change the channel display order by pressing and holding the screen. When the order is changed, the Save Sequence menu appears in the screen mode and user can select Save to save the sequence.
2	Zoom in	Magnifying selected live screen (Zoom out, 2 times, 4 times, and 8 times).
3	Sequence	Set the sequence.
4	Speaker Output/Mute	Turning on/off a sound speaker.
5	Stop Alarm	Set the Stop Alarm.
6	Setup	Opens the main set up menu. For more information about setting menu, see section "4 Setup menu".
7	Manual Delete	Delete registered cameras.
8	Channel Assign	Opens a pop-up menu for Channel Assign.
9	Log in/Log out	Log in/Log out.
10	Shutdown	Shuts down or restarts the device (shutdown, restart).

### 3.2.1 Channel Assign

Users can assign the channel.



**Figure 3-4 Channel Assign**

**Table 3-4 Camera Registration**

No.	Item	Description
1		Search the device registered.
2	Local	Display registered image list.
3	AVI	Display media file list. Drag & drop the desired media file. Drag the screen and drop it on the AVI to unregister the selected media file.
4	List	Displayed registered device list. Drag & drop the desired channel. Drag the screen and drop it on the list to unregister the selected channel.
5	Username	Enter the ID of the device.
6	Password	Enter the password of the device.
7	Exit	Close the window after save.

## 4. Setup menu

This chapter describes Setup menu.



**Figure 4-1 Setup menu**

Selecting the menu opens the setting screen.

**Note**

Setup screen is available to click **Setup** in Quick menu by clicking the right button of the mouse.

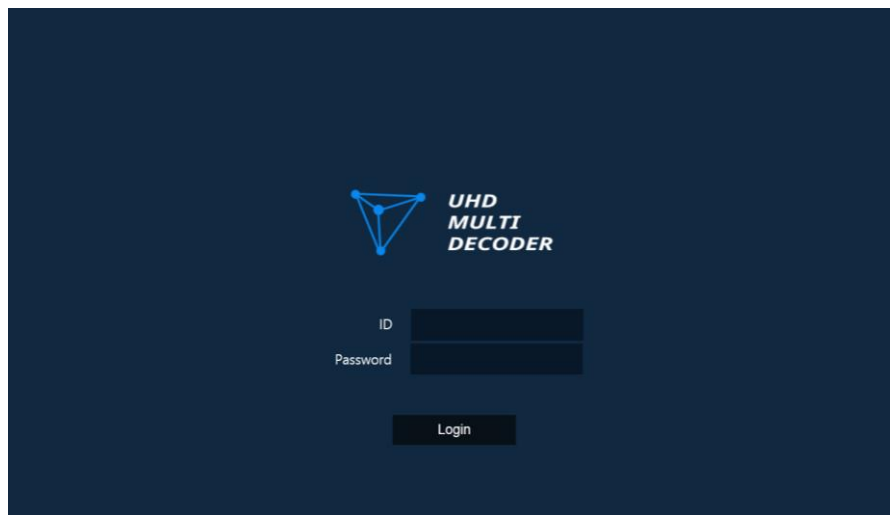
**Table 4-1 Setup menu Item and Description**

No.	Item	Description
1	SYSTEM	Setting the system environment.
2	CAMERA	Setting the camera.
3	DEVICE	Setting the devices connected to the decoder.
4	EVENT	Setting the event type.
5	NETWORK	Setting the network environment.

## 5. Web Setup

### 5.1 Log In

Enter **ID** and **Password**.



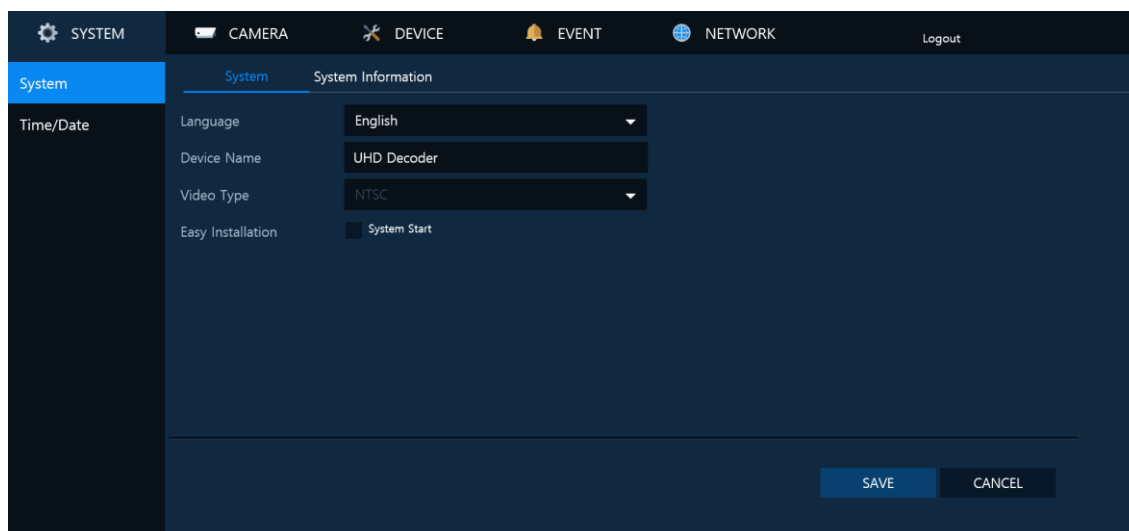
**Figure 5-1 Web Setup > Log In**

**Table 5-1 Web Setup > Log In Item and Description**

<b>Note</b>	▪ Default ID/Password is admin/admin.
	▪ Change the password for security.
	▪ Max character length is 12c.

## 5.2 General buttons in Setup menu

This section depicts General buttons in Setup menu.



**Figure 5-2 General buttons in Setup menu**

**Table 5-2 Item and Description of General buttons in Setup menu**

No.	Item	Description
1	Save	Save the set content.
2	Cancel	Cancel the set value.
3	Default	Reverse changed setting value to default in factory.
4	Restore	Cancel the set value, and reverse it to default.
5	Apply	Apply the content set.
6	Logout	Logout the account.