

Quick Guide

VLR-ENC-16 Video Encoder



XX298-20-00



Vicon Industries Inc. does not warrant that the functions contained in this equipment will meet your requirements or that the operation will be entirely error free or perform precisely as described in the documentation. This system has not been designed to be used in life-critical situations and must not be used for this purpose.

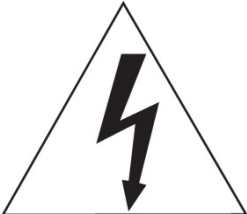

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WARNING

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

	CAUTION 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 are 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 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.



1. Overview

1.1 Package Contents

The device package contents consist of the following:


 **Note** Please check that all components are included.

Table 2-1 Package contents

No	Name	No	Name
1	Encoder	6	SATA cable
2	DC Power Adapter & Power cord	7	SATA power cable
3	Mouse	8	HDD fixing screw (not relevant when used as encoder)
4	Quick guide		

1.2 Part Description

Each part is listed in the below:

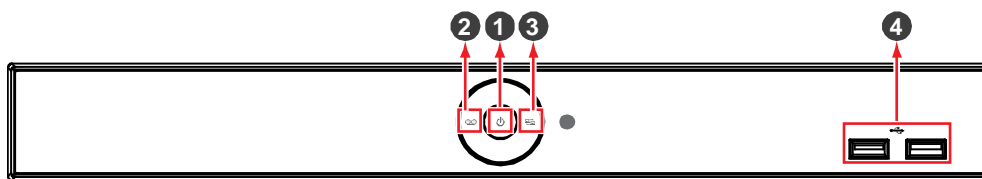


Figure 2-1 Name and Connection of each front section

Table 2-2 Name and Function of each front section

No.	Name	Function
1	Power status LED	Indicates device is ON/OFF
2	Recording status LED	Indicates recording in process. Not relevant when used as encoder
3	Network LED	With a network viewer, indicates network in connection
4	USB port	USB port is for connection to USB mouse or for firmware upgrade and data back-up

16ch DVR/Encoder

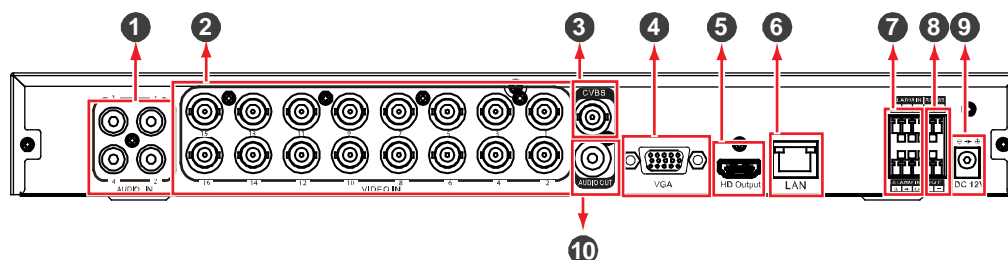


Figure 2-2 Name and Connection of each rear section of 16ch encoder

Table 2-3 Name and Function of each rear section of 16ch encoder

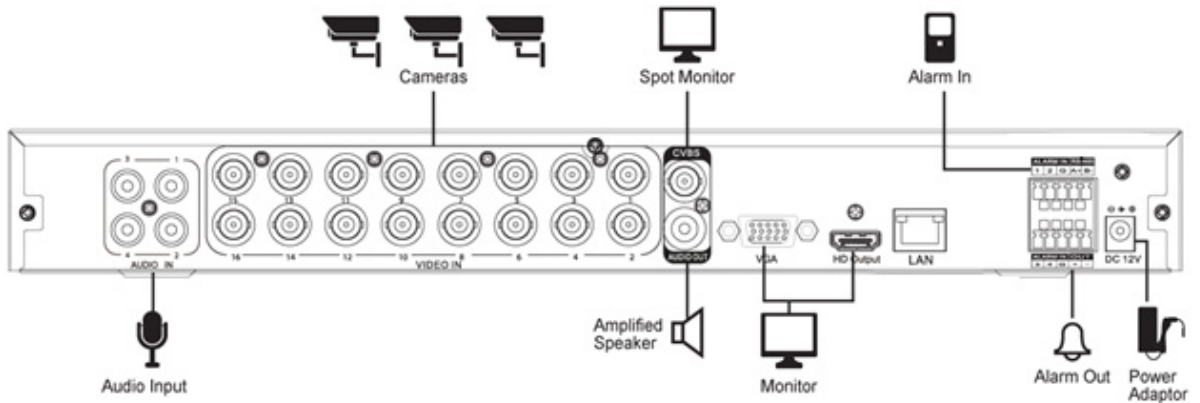
No.	Name	Function
1	Audio In	Camera audio input port
2	Video In	Camera video input port
3	CVBS	CVBS output port (depending on device types)
4	VGA	VGA output port
5	HD Output	HD output port
6	Network	Network connector
7	Alarm In/Out	Alarm connector
8	RS485	RS-485 communication connector
9	12 VDC	Connector with power supply
10	Audio Out	Audio output port

2. Installation

This chapter describes how to install the encoder.

Note: This device is meant to be used as an encoder streaming to a VMS; Vicon does not cover the ability to use an HDD.

When installing a device, refer to the connection diagram below to make rear panel connections.



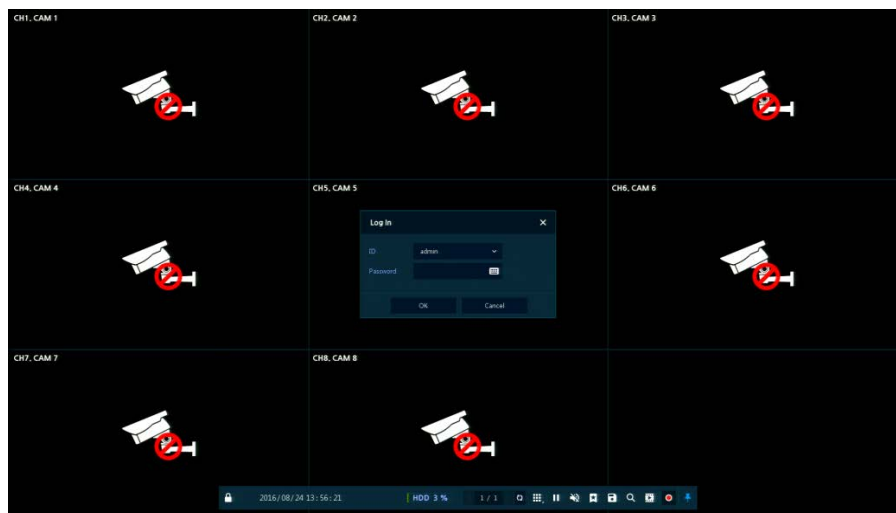
2.1 Starting System

This is used for configuration purposes or if used as a spot monitor. Supplying power starts the system operation as follows:

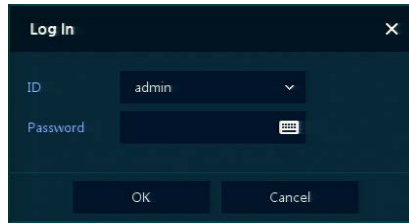
- 1 Switching on initializes the icons below in order.



- 2 When the buzzer sounds, the start screen is displays.



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



Note Default ID/Password is ADMIN/1234

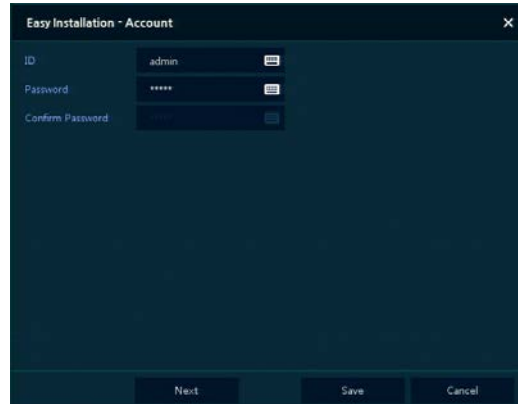


Please change password after login for added security.

2.2 Setting Earlier Stage

2.2.1 Account

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

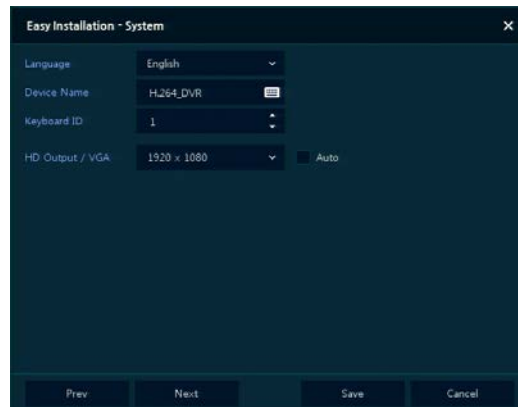


Note

- Default ID/Password is ADMIN/1234.
 - Change the password for security.
-

2.2.2 System


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



- Language: Select system language.
- Device Name: Enter the device name.
- Keyboard ID: Not relevant as encoder.
- HD Output/VGA: Set resolution of a monitor connected to the device.

2.2.3 Network

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

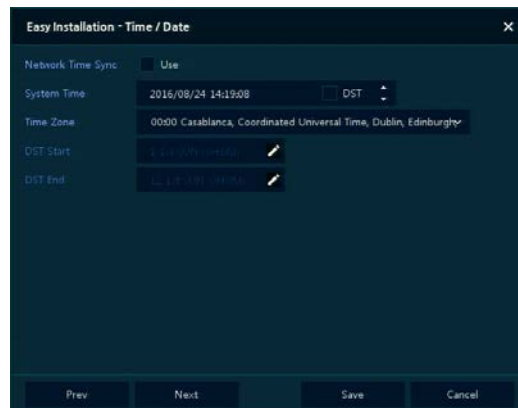


Field	Value
WAN Port	<input checked="" type="checkbox"/> Static IP <input type="checkbox"/> DHCP (Dynamic)
IP Address	192.168.8.8
Subnet Mask	255.255.255.0
Gateway	192.168.0.1
DNS	8.8.8.8
Port (TCP)	9950
Port (Web)	80

- WAN Port: Select whether to use static IP or dynamic IP.
- IP Address, Subnet Mask, Gateway, DNS, and Port: For dynamic IP, enter information in each field.

2.4.4 Time/Date

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



Field	Value
Network Time Sync	<input checked="" type="checkbox"/> Use <input type="checkbox"/> Not Use
System Time	2016/08/24 14:19:08 <input type="checkbox"/> DST
Time Zone	00:00 Casablanca, Coordinated Universal Time, Dublin, Edinburgh
DST Start	2016/03/27 01:00:00
DST End	2016/10/30 01:00:00

- Network Time Sync: Select network for synchronizing with time server. This should be the same time server used for all other IP devices.
- System Time: When not for synchronizing with network time server, set the device time; when applying Daylight Saving Time, select DST.
- Time Zone: Select time zone for the system being installed.
- DST Start/End: When applying Daylight Saving Time, set the application period.

3. Live Screen Configuration

UI screen is configured as the figure below.

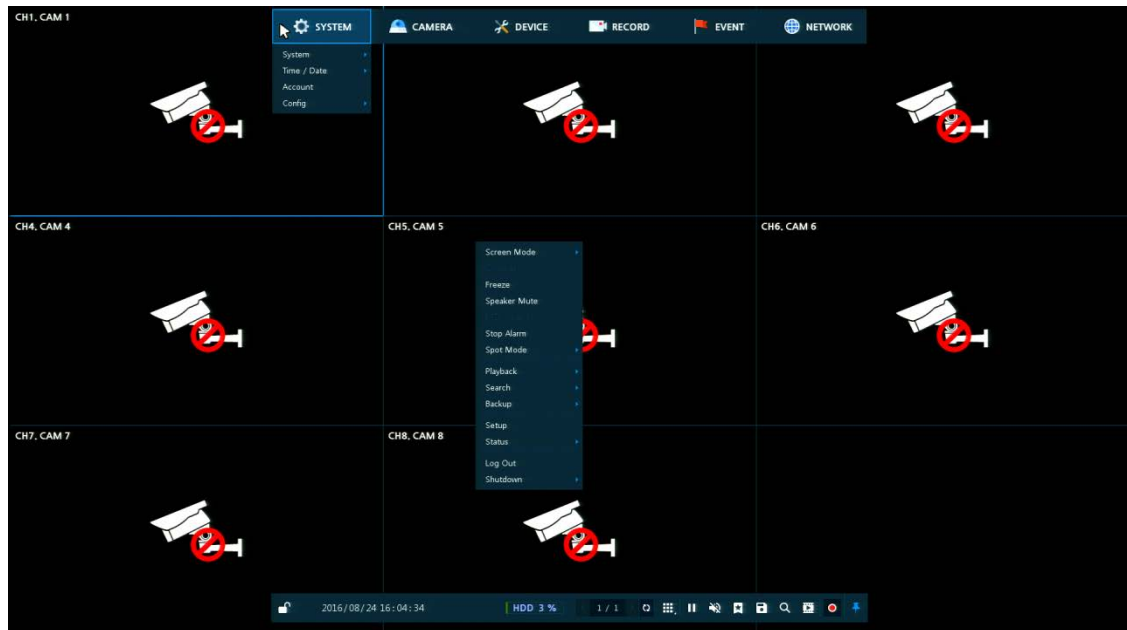


Figure 3-1 UI Screen Configuration

Table 3-1 Items and Description of UI Screen Configuration

No.	Item	Description
1	Setting menu	Setting menu is located in the corner of upper screen. See "Setup " to display detailed information about the setting menu.
2	Live screen	Show live video of connected cameras.
3	Launcher menu	Launcher menu is located in the corner of bottom of the screen. See "3.2 Live Launcher " to display detailed information about the launcher menu.
4	Quick menu	Clicking the right button of a mouse displays Quick menu. See "3.3 Quick " to display detailed information about the quick menu.

3.1 Icons in Live screen

Each icon in the Live screen displays the present setting status or a function. UI screen consists of icons as shown below. This device is meant to be used primarily as an encoder. In the case when local display is used, this following information is provided.

Note

Chosen Live screen is marked by a blue frame; mouse-located Live screen is marked by a yellow frame.

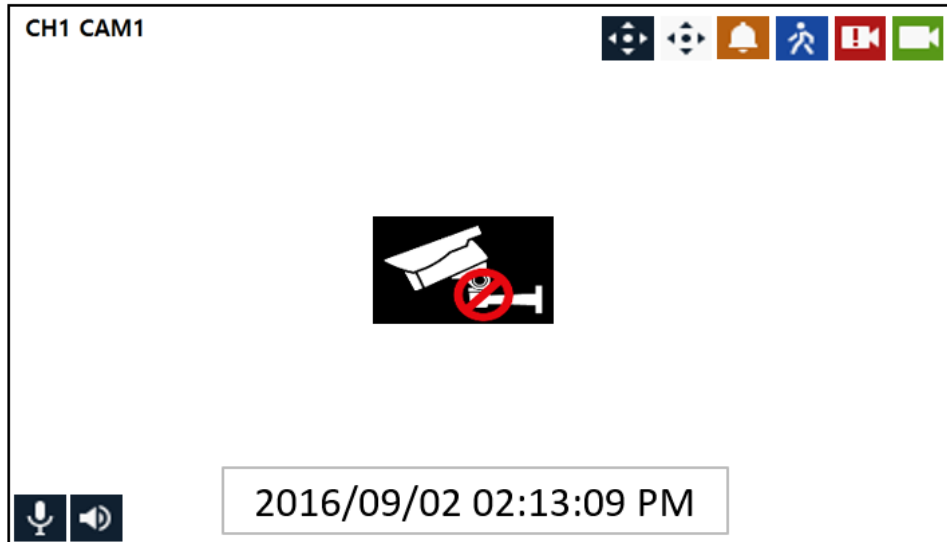


Figure 3-2 Live screen icon

Table 3-2 Live screen icon and its description

No.	Icon	Description
1	CH1 CAM1	Channel numbers and camera titles
2		A camera with PTZ function
		PTZ control function in process
		Recording in alarm event mode. Not relevant when used as encoder.
		Recording in motion event mode. Not relevant when used as encoder.
		Recording in panic recording mode. Not relevant when used as encoder.
		Recording in consecutive recording mode. Not relevant when used as encoder.
3		No camera input
4		Mic ON/OFF
		Speaker ON/OFF
6	2016/09/02 02:13:09 PM	Displays present weather and time














3.2 Live Launcher menu

This chapter describes the Launcher menu at the bottom of the screen.



Figure 3-3 Launcher menu

Table 3-3 Launcher menu Item and Description

No.	Item	Description
1		Log in/out status and logged in ID
2	Date & Time	Displaying present date and time
3	HDD	Displaying HDD capacity in use. Not relevant when used as encoder.
4		Moving to previous/next partition screen.
5		Displaying live screen in order set (toggle)
6		Selecting partition mode to display in Live screen (single screen, 4-, 9-, and 16- partition)
7		Stopping or replaying selected Live screen images (toggle)
8		Audio on or mute chosen in Live screen (toggle)
9		Capturing channel image of user's selection. Not relevant when used as encoder.
10		Bookmarking with date and time user's selection. Not relevant when used as encoder.
11		Make a backup video of user's selection.
12		Searching recording data (time, event, and thumbnail). Not relevant when used as encoder.
13		Play recorded data. Not relevant when used as encoder.
14		Starting immediate recording of selected channel. Not relevant when used as encoder.
15		Locking or releasing Launcher menu (toggle)

3.3 Quick menu

This chapter explains the Quick menu when users click the right button of the mouse in Live screen.

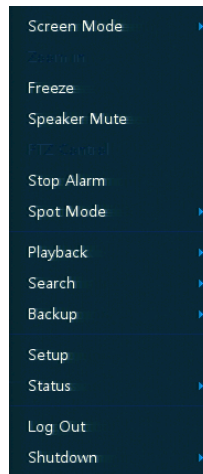


Figure 3-4 Quick menu

Table 3-4 Quick menu Item and Description

No.	Item	Description
1	Screen Mode	Selecting the partition mode of Live screen (Full, 2X2, 3X3 and 4x4).
2	Zoom in	Magnify selected Live screen (Zoom out, 2 times, 4 times and 8 times).
3	Freeze	Stop or replay selected Live screen images (toggle)
4	Speaker Output/Mute	Turn on/off a audio speaker
5	PTZ Control	Controlling PTZ function
6	Stop Alarm	Stop monitoring alarm output and event
7	Spot Mode	Set the output mode of a spot monitor (Auto, Full, and 4x4)
8	Playback	Play selected Live screen images (before 30 sec, 1 min, 5 min, 10 min, 30 min, 1-hour, Go to last play time and Go to last record time). Not relevant when used as encoder.
9	Search	Search recording data (time, event, thumbnail, and text). Not relevant when used as encoder.
10	Backup	Backup video user selected.
11	Setup	Open setting menu pop-up. For more information about setting menu, see section "Setup."
12	Status	Open a pop-up that displays device system log, event and recording status (system log, event, and save)
13	Log in/Log out	Log in/Log out
14	Shutdown	Unplug or restart the device (shutdown, restart)

4. Setup menu

This chapter describes Setup menu at the top of the screen.



Figure 4-1 Setup menu

Selecting the menu opens the setting screen.

Note

Setup screen is also available by selecting **Setup** in Quick menu, accessed by clicking the right button of the mouse.

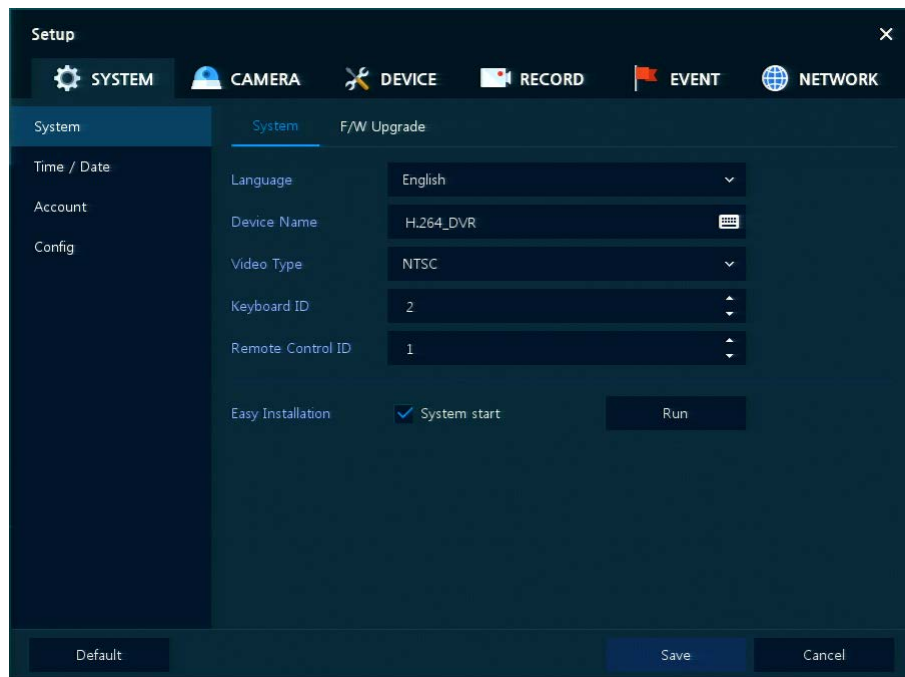


Figure 4-2 Setup menu screen

Table 4-1 Setup menu Item and Description

No.	Item	Description
1	SYSTEM	Set the system environment
2	CAMERA	Set the camera
3	DEVICE	Set the device connected with the unit. Not relevant when used as encoder.
4	RECORD	Set the relevant material to record. Not relevant when used as encoder.
5	EVENT	Set each event
6	NETWORK	Set the network environment



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For office locations, visit the website: www.vicon-security.com

