



H265 32 and 16 channel

Quick Set-up Guide

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

Before You Begin

Read these instructions before installing or operating this product.

Note: This installation should be made by a qualified service person and should conform to local codes.

This manual provides installation and operation information. To use this document, you must have the following minimum qualifications:

- A basic knowledge of CCTV systems and components
- A basic knowledge of electrical wiring and low-voltage electrical connections

Intended use

Only use this product for its designated purpose; refer to the product specification and user documentation.

Customer Support

For assistance in installing, operating, maintaining and troubleshooting this product refer to this document and any other documentation provided. If you still have questions, please contact Norbain Technical Support and Sales:

**Norbain SD, 210 Wharfedale Road, IQ Winnersh, Wokingham, Berkshire RG41 5TP, England.
UK +44 (0) 118 912 5000**

Note: You should be at the equipment and ready with details before calling Technical Support.

Conventions Used in this Manual

Boldface or button icons highlight command entries. The following **WARNING**, **CAUTION** and **Note** statements identify potential hazards that can occur if the equipment is not handled properly:



*** WARNING:**

Improper use of this equipment can cause severe bodily injury or equipment damage.



**** Caution:**

Improper use of this equipment can cause equipment damage.

Note: Notes contain important information about a product or procedure.



This apparatus is manufactured to comply with the radio interference.

A Declaration of Conformity in accordance with the following EU standards has been made. The manufacturer declares that the product supplied with this document is compliant the provisions of the EMC Directive 2004/108/EC, the CE Marking Directive 93/68 EEC and all associated amendments.



All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive: 2011/65/EU, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.

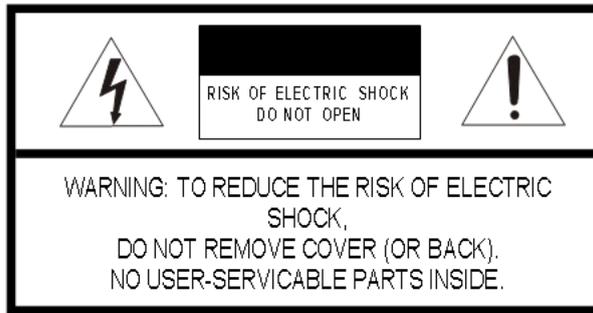
* This symbol indicates electrical warnings and cautions.

** This symbol indicates general warnings and cautions.

NORBAIN SD reserves the right to make changes to the product and specification of the product from time to time without prior notice.

WARNINGS AND CAUTIONS:

To reduce the risk of fire or electric shock, do not insert any metallic objects through the ventilation grills or other openings on the equipment.



IMPORTANT SAFEGUARDS

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 product 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. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. 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.
14. 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.
15. IEC60950-1/UL60950-1 or Certified/Listed Class 2 power source only.

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.

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1. Overview

1.1 Package Contents

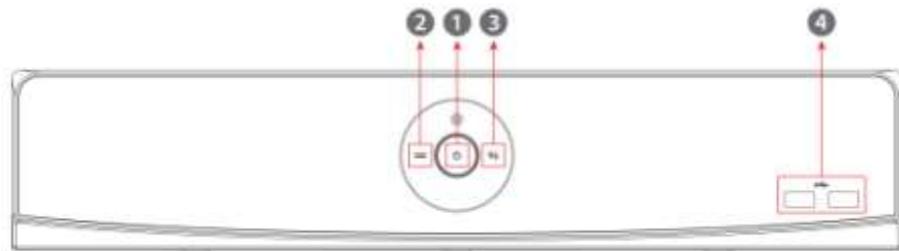
The device package contents consist of the following:

 **Note** Please check all components involved.

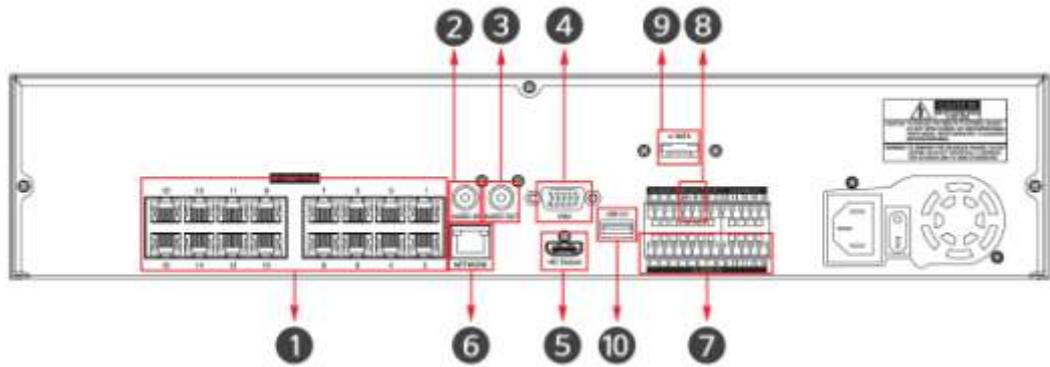
No	Name	번호	Name
1	NVR	4	Quick guide
2	Power cord	5	Program CD
3	Mouse		

1.2 NVR Description

Each part is listed in the below:



No.	Name	Function
1	Power status LED	Power indication ON/OFF
2	Recording status LED	Status of recording
3	Network LED	Illuminated if Network connected
4	USB port	USB port is connected for USB mouse or firmware upgrade, and data back-up.

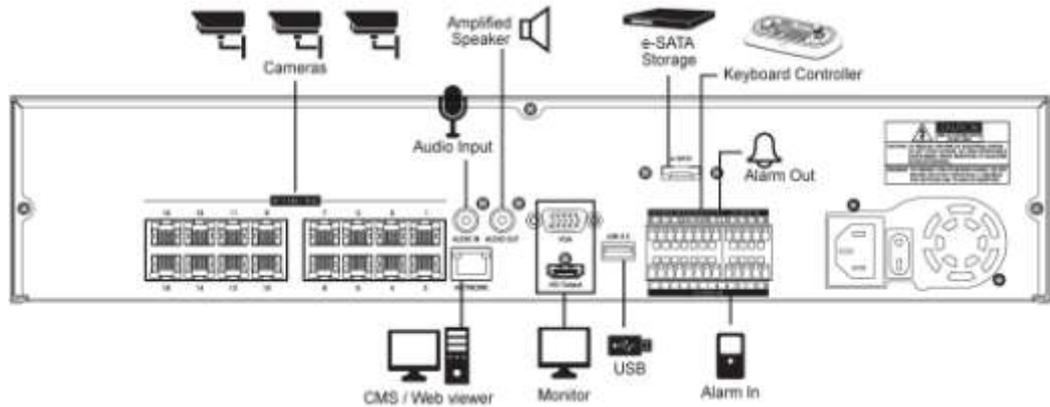


No.	Name	Function
1	IP CAM / PoE	IP camera input port, IEEE802.3af PoE supported
2	Audio In	Audio input port
3	Audio Out	Audio output port
4	VGA	VGA output port
5	HD Output	HD output port
6	Network	Network connector
7	Alarm In/Out	Alarm connector
8	RS485	RS-485 communication connector
9	e-SATA	e-SATA storage connection connector
10	USB 3.0	USB 3.0 port is connected for data back-up

2. Installation

This chapter describes the way to install the Viper NVR

Rear panel connections.



Start up process

- 1 Connect exterior devices
- 2 Power up the system
- 3 Enter menus to set up NVR

2.1 NVR power up

- 1 When the NVR is powered unit will take a couple of minutes to boot, the following icons will be displayed in order as it goes through its booting cycle.

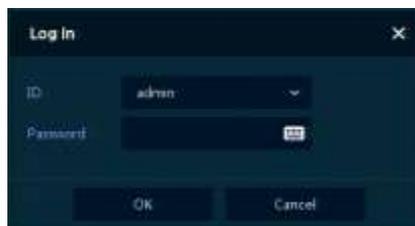


Note Installing new HDD might take more initialize time.

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

2.1.1 Login

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



Note Default ID & Password is admin/admin

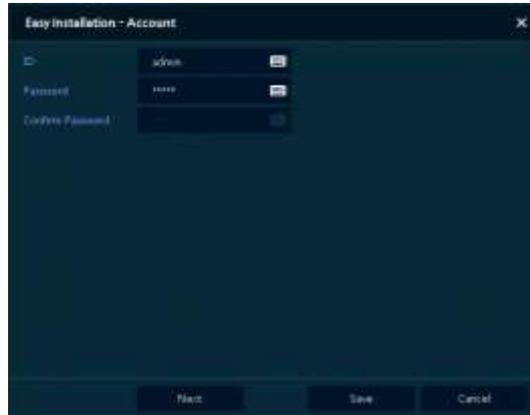


Please change password after login for extra security.

2.3 Quick set up

2.3.1 Account

1 Set ID and Password.



Note

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

2.3.2 System

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



- Language: Select system language.
- Device Name: Enter the device name.
- Keyboard ID: To identify device usages in controlling NVR using a VIPER-KBD keyboard
- Ensure each NVR in the system has a separate ID
- HD Output / VGA: Set resolution of the monitor connected to the device. Clicking "Auto", the NVR will negotiate with the monitor to set best resolution

2.3.3 Network

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, and Port: As for dynamic IP, enter information in each space.

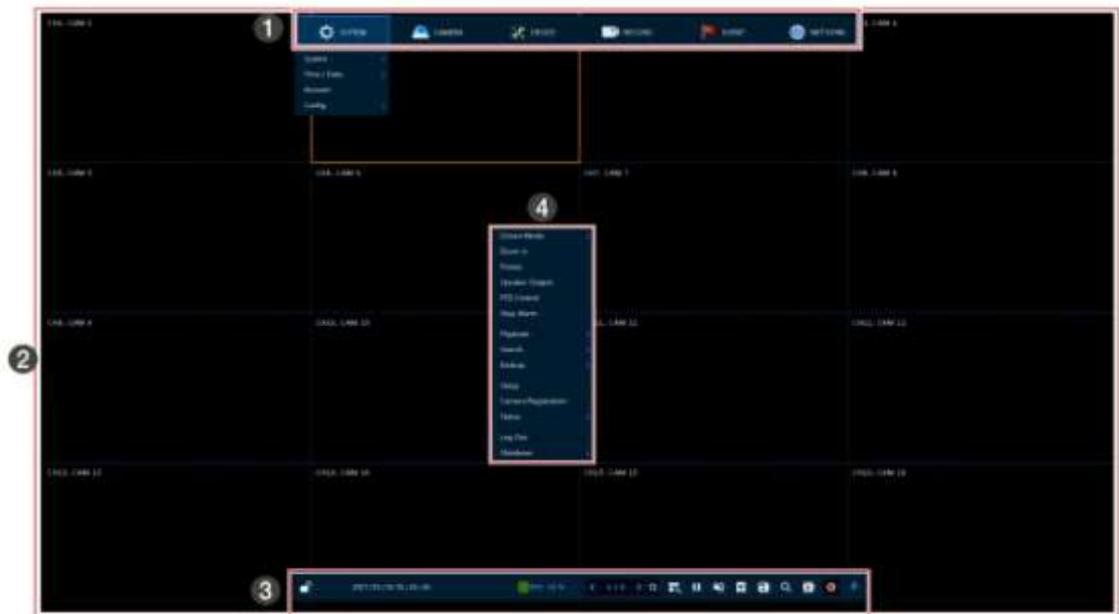
2.3.4 Time/Date

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



- Network Time Sync: Select network for synchronizing with time server.
- System Time: This can be set manually if required.
- Time Zone: Select time zone for the system being installed.
- DST Start/End: For applying Daylight saving time, set the application period.

3. Live Screen Configuration



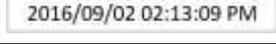
No.	Item	Description
1	Setting menu	Setting menu is located at the top of the screen
2	Live screen	Shows live video of connected cameras.
3	Launcher menu	Launcher menu is located at the bottom of the screen.
4	Quick menu	Clicking the right button of a mouse displays Quick menu.

3.1 Icons in Live screen

Note

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



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
		Recording in motion event mode
		Recording in panic recording mode
		Recording in consecutive recording mode
3		Video loss icon
4		Mic ON/OFF
		Speaker ON/OFF
6		Displaying present time and date

3.2 Live Launcher menu

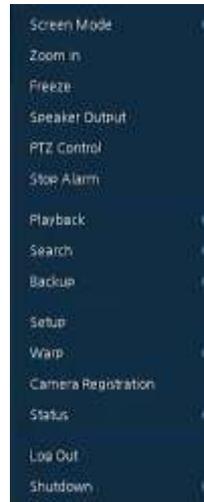
This section describes Launcher menu in the bottom of the screen.



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
4		Moving to previous/next partition screen
5		Displaying live screen in order set (toggle)
6		Selecting partition mode to mark 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 live screen (toggle)
9		Capturing channels users want
10		Bookmarking with date and time users want
11		Make a backup video of users want.
12		Searching recording data (time, event, and thumbnail).
13		Playing recorded data
14		Starting immediate recording of selected channel
15		Locking or releasing launcher menu (toggle)

3.3 Quick menu

This section describes the Quick menu displayed when the users clicks the right button of the mouse in live screen.



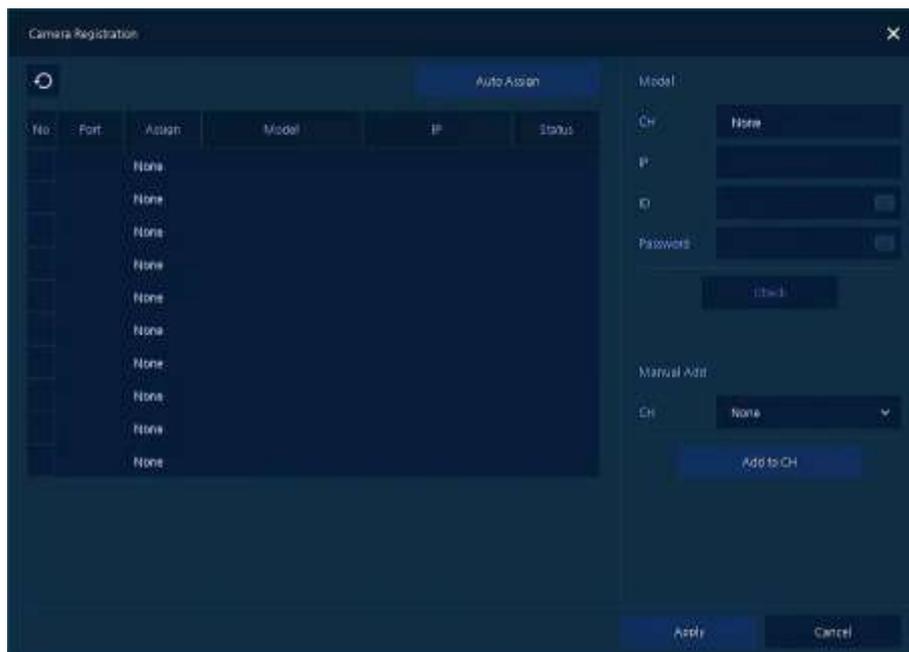
No.	Item	Description
1	Screen Mode	Selecting the split screen mode of live screen (Full, 2X2, 3X3, and 4x4).
2	Zoom in	Magnifying selected live screen (Zoom out, 2 times, 4 times, and 8 times).
3	Freeze	Freezes the video selected live screen images (toggle on / off)
4	Speaker Output/Mute	Turning on/off the monitor speaker
5	PTZ Control	Controlling PTZ Function
6	Stop Alarm	Stopping monitoring alarm output and event
7	Playback	Playing 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)
8	Search	Searching recording data (time, event, thumbnail, and text).
9	Backup	Backup video to USB drive.
10	Setup	Opens the NVRs main set up menu
11	Warp	Monitor and control for remote recorders.
12	Camera Registration	Opens a pop-up menu for IP camera registration.
13	Status	Opens a pop-up menu showing: device system log, event, and recording status (system log, event, and save).
14	Log in/Log out	Log in/Log out.
15	Shutdown	Shuts down or restarts the device (shutdown, restart).

3.3.1 Camera Registration

Connection of IP cameras to the NVR

VK2 cameras and ONVIF compliant cameras (whose user name and password as default are “admin” and “admin”) which are plugged directly into the PoE ports on the rear of the VIPER will be automatically registered and displayed.

For Camera with different User names and Password, or that are being connected via the Wide Area Network port need to be manually registered. Select the “Camera Registration” option within the menu to display the following screen, click on , the VIPER will now look for cameras on it's PoE ports and on the WAN port.



No.	Item	Description
1		Search for connected IP cameras.
2	Auto Assign	Automatically assign the channel numbers.
3	Port	Show the detected camera port (WAN, PoE).
4	Assign	Selecting the channel windows manually.
5	Model	Show detected camera model number.
6	IP	Show detected camera IP address.
7	Status	Show connection status.

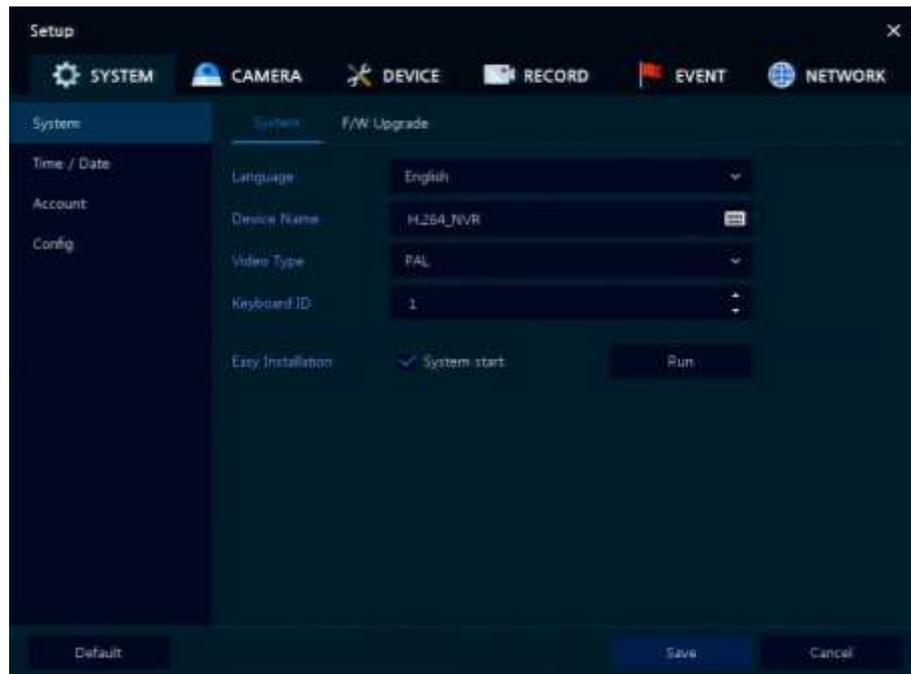
4. Setup menu

This section describes Setup menu displayed on the top side of the screen.



Selecting the menu option opens the setting screen.

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



No.	Item	Description
1	SYSTEM	Setting the system environment
2	CAMERA	Setting the cameras
3	DEVICE	Setting the non camera devices connected to the NVR
4	RECORD	Setting the recording parameters
5	EVENT	Setting each event
6	NETWORK	Setting the network environment

Note: For more details on each section within the Set Up menu, please refer to the main manual contained on the CD supplied with the NVR.