

ALIBI™ ALI-HVR3000H Series 4/8/16-Channel 960H HD-TVI Hybrid+ DVR Quick Setup Guide

This quick setup guide provides instructions to initially setup and use the ALI-HVR3000H series digital video recorder (DVR). For additional information on the extensive capabilities of your DVR, refer to the *ALI-HVR3000H Series Alibi 4/8/16-Channel 960H HD-TVI Hybrid+ Security Digital Video Recorder User Manual* provided on the CD with your system.

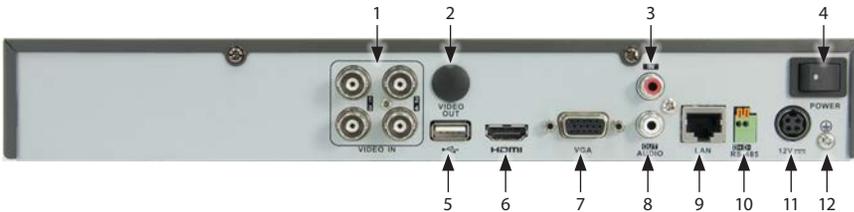
DVR Front Panel



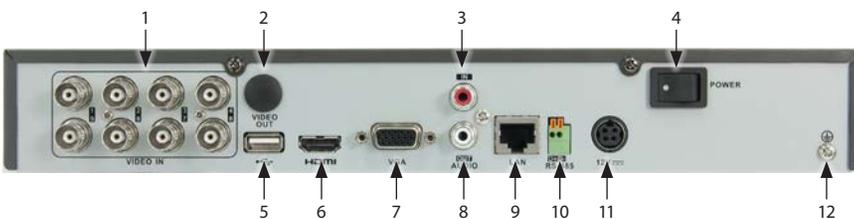
ALI-HVR3004H, ALI-HVR3008H front panel
(ALI-HVR3016H (not shown) has the same items)

Item	Usage
Power LED	Indicator turns green when DVR is powered up.
Status	STATUS indicator lights in red when HDD is reading/writing.
TX / RX	LED indicator blinks green when network connection is functioning properly.
IR Receiver	Sensor for the remote control.
USB Interface	This port can be used for a USB mouse or USB flash memory devices.

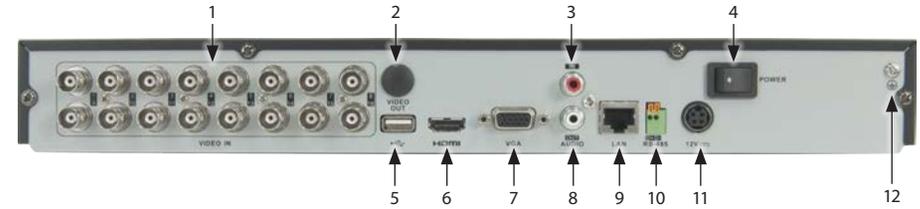
DVR Back panels



ALI-HVR3004H backpanel



ALI-HVR3008H backpanel

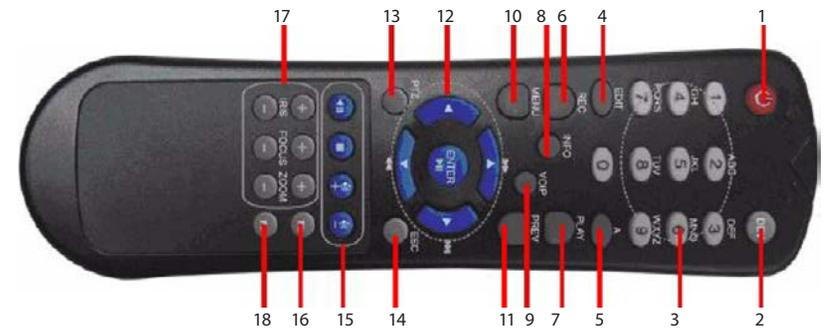


ALI-HVR3016H backpanel

Item	Description
1	VIDEO IN BNC connectors for camera video channels in. Number of channels is dependent on the model of the DVR.
2	Monitor Out Not used.
3	AUDIO IN RCA connector for audio in cable.
4	ON / OFF switch Switch for powering the DVR on and off
5	USB This port can be used for a USB mouse or USB memory device such as a flash drive or DVD burner. An additional USB port is located on the front panel.
6	HDMI Connector HDMI monitor cable.
7	VGA Connector VGA monitor cable.
8	AUDIO OUT RCA connector for audio out cable.
9	LAN RJ-45 connector for Ethernet drop cable.
10	RS-485 terminations Connector for RS-485 devices. Connect the D+ and D- terminals to T+ and T- of PTZ receiver respectively.
11	12 Vdc Plug for 12 Vdc power adapter (provided).
12	GND terminal Ground terminal post.

Remote control

The enter key on the remote control or the front panel has the same function as a mouse left click. The IR Range of the remote control is about 33 feet. The buttons on the remote control correspond with the buttons on the front panel.



Item	Name	Function
1	POWER	Power on/off the device.
2	DEV	Enables/Disables Remote Control.
3	Alphanumeric Buttons	Switching to the corresponding channel in Live view or PTZ Control mode. Inputting numbers and characters in Edit mode. Switching between different channels in All-day Playback mode.
4	EDIT Button	Editing text fields. When editing text fields, it will also function as a Backspace button to delete the character in front of the cursor. On checkbox fields, pressing the EDIT button will tick the checkbox. In Playback mode, it can be used to generate video clips for backup.
5	A Button	Switching between input methods (upper and lowercase alphabet, symbols and numeric input).
6	REC Button	Entering the Manual Record settings menu. In PTZ control settings, press the REC button and then you can call a PTZ preset by pressing Numeric button.
7	PLAY Button	Playback, for direct access to playback interface.
8	INFO Button	Reserved.
9	VOIP button	Selecting all items on the list; In live view or playback mode, it can be used to switch between main and spot video output
10	MENU button	Press the button will help you return to the Main menu (after successful login). Press and hold the button for 5 seconds to turn off audible key beep.
11	PREV button	Switch between single screen and multi-screen mode.
12	DIRECTION/ENTER buttons	Navigating between different fields and items in menus. In Playback mode, the UP and DOWN button are used to speed up and slow down recorded video. The LEFT and RIGHT buttons select the next and previous day of recordings. In LIVE view mode, these buttons can be used to cycle through channels.
13	PTZ button	Enter the PTZ Control mode.
14	ESC button	Return to the previous menu. Press for Arming/disarming the device in Live View mode.
15	RESERVED	Reserved for future usage.
16	F1 button	Selecting all items on the list when used in a list field. In PTZ Control mode, it will turn on/off PTZ light.
17	PTZ Control buttons	Buttons to adjust the iris, focus and zoom of a PTZ camera.
18	F2 button	Cycle through tab pages.

Remote Control setup

Before using the Remote Control, you must setup the ID number in the Remote Control to match the DVR ID number configured in the recorder: Refer to the **ALI-HVR3000H DVR User Manual** for setup instructions.

Mouse control

A standard 3-button (left/right/scroll-wheel) USB mouse can also be used with this DVR. To use a USB mouse:

1. Plug the USB mouse into the either the front panel or backpanel USB connector of the DVR.
2. The mouse will be automatically detected. If the mouse is not detected, the mouse may not be compatible with the DVR. Please refer to the recommended device list from your provider.

The operation of the mouse:

Action	Effect
Left click	Single click: Live view: Select channel and show the quick set menu. Menu: Select and enter.
	Double click: Live view: Switch between single-screen and multi-screen.
Right click	Click and drag: PTZ control: pan, tilt and zoom. Tamper-proof, privacy mask and motion detection: Select target area. Digital zoom-in: Drag and select target area. Live view: Drag channel/time bar
	Live view: Show menu. Menu: Exit current menu to upper level menu.
Scroll wheel	Scroll up: Live view: Previous screen. Menu: Previous item.
	Scroll down: Live view: Next screen. Menu: Next item.

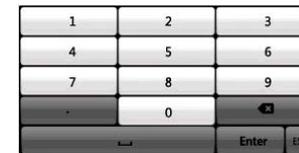
Soft keyboard

An on-screen QWERTY keyboard appears when you click in a field that accepts a text entry, such as a password or name. The keyboard is shown in the following picture. Some control keys toggle their function when they are clicked.



Soft keyboard

Clicking on numeric fields to enter data sometimes opens the numeric keyboard. See below.



Numeric keyboard

Installing the System

Step 1. Getting Started: Unpacking the Equipment

What's in the box

Your system includes:

- ALI-HVR3000H Series DVR
- Remote Control
- USB mouse
- HDMI cable
- Power adapter for DVR
- CD with documentation
- This Quick Start Guide

Remove the equipment from its packaging and place it on a flat, clean surface. Inspect each item. If any visible damage is present, contact your supplier for a replacement. Verify that your order is complete.

What you need

Although each security system installation is different, most require the following items not included with your system components:

- Cameras and cables compatible with the DVR. The Video in ports on the backpanel support most analog CCTV camera brands and Alibi HD-TVI analog cameras
- IP cameras installed on the Ethernet network (LAN) that associated with the DVR must be Alibi IP cameras.
- Tools to install the cameras and route power and video cables
- Fasteners to attach the cameras to the mounting surfaces
- VGA or HDMI compatible computer monitor to connect to the DVR. (An HDMI cable is provided.)
- Uninterruptible power supply (UPS) is recommended. This device is used to ensure system stability during voltage surges, sags, and outages. If a UPS is not available, a power strip with strong surge protection is highly recommended.

Step 2. Install the DVR and monitor

Installing an HDD in the DVR

NOTE

*If you purchased your DVR without an internal HDD, or you want to install an additional HDD (ALI-HVR3016H only), follow the procedure in the **ALI-HVR3000H DVR User Manual** before continuing. An HDD must be installed in the DVR before it can be used.*

For the following steps, refer to the back panel photo above for the location of connectors.

1. Place the DVR in a location that is secure, well ventilated and clean. The DVR should be positioned such that the backpanel connectors are accessible and the ventilation holes on the sides are not blocked.
2. Install and setup your monitor in accordance with the instructions provided with the monitor. Do not power it on at this time.
3. Cable the HDMI or VGA connector to your monitor's VGA or HDMI input. The HDMI interface provides the best performance.
4. Plug the mouse into the USB connector on the front or back of the DVR.

3 www.Observint.com

5. If you plan to access your DVR remotely, or configure your DVR to transmit alerts, email, etc. to external servers, plug a drop cable from your local area network (LAN) into the RJ-45 LAN connector on the back of the DVR. (By default, the DVR automatically acquires network settings using DHCP.)
6. Connect the power cord to the power connector on the back panel of the DVR, and then into a UPS (preferred) or surge protector.

NOTE

Do not power on the DVR at this time.

Step 3. Install camera

Install your security cameras as needed to support your security requirements. Always refer to the documentation provided with the camera for installation instructions.

Step 4. Connecting it together – initial system setup

1. Plug the coaxial cables from the cameras into the BNC camera input connectors on the back of the DVR.
2. Power on the DVR using the power on / off (I/O) switch on the back panel.
3. Power on the monitor.

NOTE

Some monitors have multiple inputs such including VGA, HDMI, BNC, etc. If you are using this kind of monitor, configure your monitor to display the input connected to your DVR (HDMI or VGA).

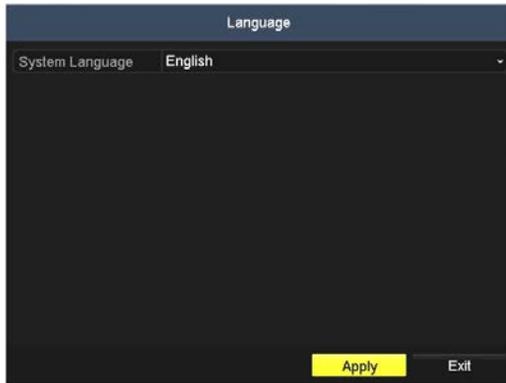
4. Power on your cameras.

Step 5. Using the Wizard for basic configuration setup

When the DVR is powered on, an Alibi logo splash screen appears within 2 minutes.

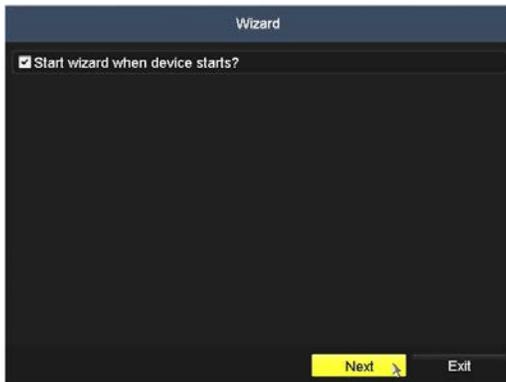


1. After the initial Alibi loading window (see above), a menu language screen may appear. Select the preferred language from the drop-down list, then click **Apply**.



2. The Setup Wizard can assist you in making important configuration settings in the DVR. Click **Next** button on the Wizard window to open the **Login** window.

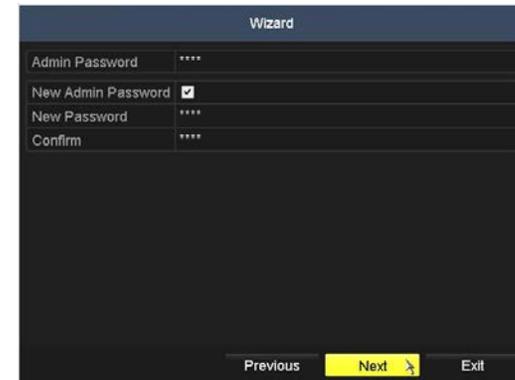
NOTE *The configuration settings presented in the setup Wizard can also be made and changed using the **Menu** system. See the **ALL-HVR3000H DVR User Manual** for more information.*



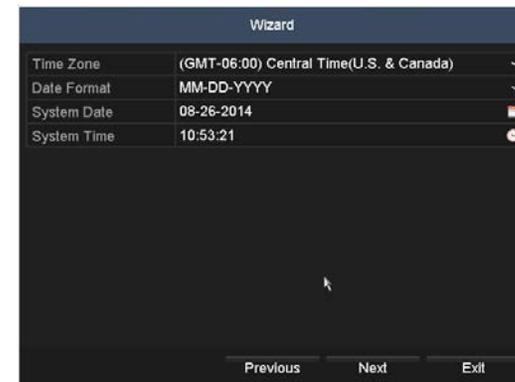
3. Enter the admin password in the appropriate field. To do that, click inside the **Admin Password** field to open the virtual keyboard. Click the appropriate icons to enter the password, then click the **Enter** icon. The default **admin** password is **1111**.



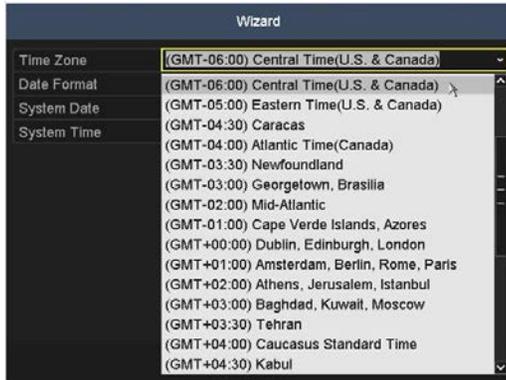
Observint strongly recommends that you change the default admin user password to improve the security of your surveillance system. To change the admin password, check the **New Admin Password** box, then enter a new password in the **New Password** and **Confirm** fields. Record your new password and save it in a secure location.



4. Click the **Next** button to open the date and time settings window.

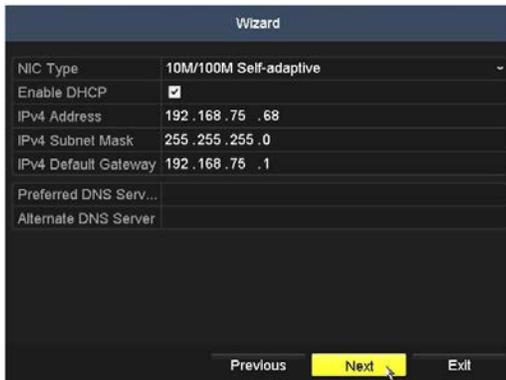


- In the date and time setup window, click the field you want to change, then use the drop-down list or setup aid to select the appropriate values. For instance, click the Time Zone field, then highlight Time Zone for your DVR.



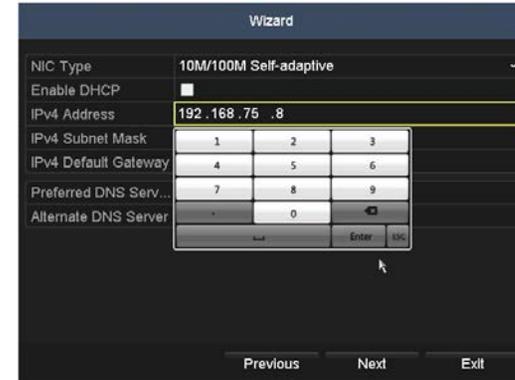
Click the other fields in the window and make the appropriate changes, if needed.

- Click **Next** to confirm your settings or **Cancel** to discard them and open the network setup Wizard window.
- In the **Network** setup Wizard window, click the field value you want to change, then use the pop-up aid to enter a new value. By default, the DVR uses DHCP (Dynamic Host Configuration Processor) to acquire compatible (dynamic, changeable) network settings from a network DHCP server.

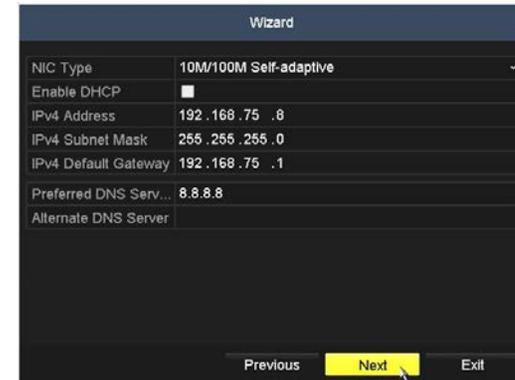


Generally, it is preferable to setup the DVR with fixed network settings, if possible, to assure the DVR has an unchanging IP address for remote logins. To enable fixed network settings, uncheck the **Enable DHCP** checkbox, then edit the appropriate fields to change the settings. Consult with your network administrator to determine the best network settings for your DVR. When finished, click **Next**.

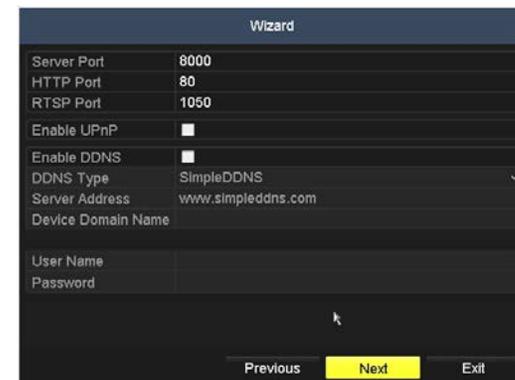
In the screen below, the Enable DHCP checkbox was cleared and the IPv4 Address was changed to 192.168.75.8.



In the screen below, other fields were changed appropriately, and the Preferred DNS Server address was set to 8.8.8.8.

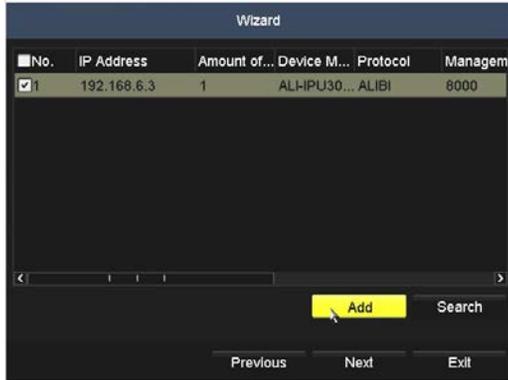


- Click **Next** after you configured the network parameters. In the screen shown below, you can change the Server Port, HTTP port, and RSTP port if using these port numbers interferes with other devices on your network. In most cases, they will not. To change a port number, click the field, then enter the new number using the pop-up soft keyboard. For more information about how to change these ports, refer to the *ALI-HVR3000H DVR User Manual* and credible sources on the Internet.



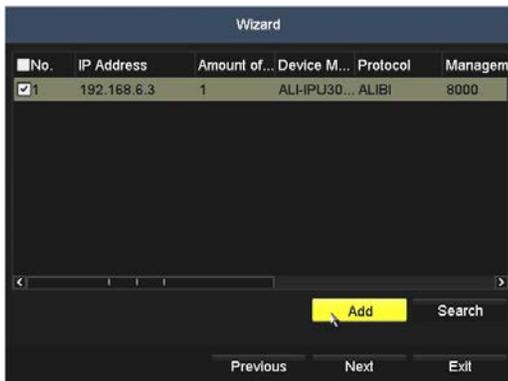
In the screen above, you can also enable UPnP™ (Universal Plug and Play) and DDNS, Dynamic DNS to easily access your DVR from outside the local network (i.e., the Internet). If setting up DDNS, the parameters you must configure depend on the DDNS server you use. Refer to the **ALI-HVR3000H DVR User Manual** for more information about these features. Click **Next** to continue.

9. In the HDD Management wizard, if a new DVR is shipped with a pre-configured HDD, nothing needs to be done with it in this window. If you installed an HDD or replaced the HDD, that HDD needs to be initialized by the DVR before it can be used. Select (check the box for) that HDD, then click **Init** to initialize the disk for the DVR. **NOTE: Init** will erase all data from the disk and can take several minutes to complete. When the initialization is complete, click **Next** to continue.



10. In the next window, the DVR will display all Alibi IP cameras it can find on the LAN. You can add any of these cameras to your DVR if the number of cameras plugged into the BNC connectors on the backpanel plus the number of IP cameras you add here does not exceed the channel capacity of your DVR (ALI-DVR3004H supports 4 camera channels, ALI-DVR3008H supports 8 camera channels, etc.).

To add the IP camera shown in the screen below, click the box for the camera in the list you want to add to check mark it, then click the **Add** button. Click **Next** to continue.



11. In the camera recording screen, you can initially select the recording mode for each camera attached to the camera input BNC connectors on the back panel and the IP cameras you added. By default, the DVR is configured to record the video from all cameras continuously.



To use this menu:

- a. Open the Camera options graphical menu and select the camera to configure. "1" (Analog 1) identifies the camera plugged into the camera input BNC connector 1, "2" (Analog 2) identifies the camera on BNC connector 2, etc. In the screen below, camera "5" is the IP camera added in the previous screen.



- b. Click the **Start Recording** box to check it if not checked, then click the bullet for either **Continuous** mode recording or **Motion Detection** mode recording.
- c. Do one of the following:
 - * To copy these recording settings to other cameras connected to the DVR, click **Copy**, then select the other cameras to you want to apply the settings to.



- * To configure another camera differently, open the **Camera** graphical menu and select the next camera to configure. Then repeat the steps above to configure the recording mode for that camera. You can also **Copy** these settings to other cameras.
- d. After configuring the recording mode for each camera, click **OK** to confirm your settings and close the Wizard. The Wizard will close and the DVR will present the **Live View** display. For more information about the Live View display, see the *ALI-HVR3000H DVR User Manual*.



Live View display

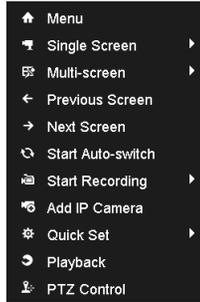
12. While viewing video from each camera in the **Live View** display, adjust the direction of each camera to aim it at its surveillance target. Follow the manufacturer's recommended procedures for aiming the cameras.



Step 6. Opening the Menu system

After the initial setup of your DVR using the Wizard, the Menus interface enables you to refine your configuration settings and expand the functionality of the system. To use most menus, the user must log into the DVR system, either locally or remotely, with administrative privileges.

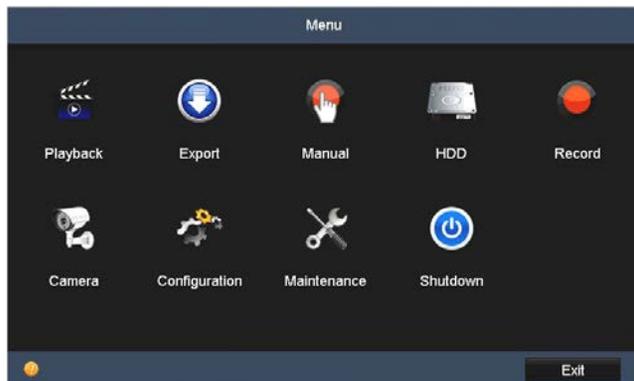
To open the Main menu system from the Live View screen, **right** click anywhere in the live view screen, then select **Menu**.



If ID Authentication is not disabled (see the General Settings), a login window will open. In the Login window, select a User Name with administrative privileges, click in the password, then click the **Enter** key, and then click **OK**. The default user "admin" has the default password of "1111".



A window of Menu icons will open.



Main menu screen

Specifications

Section	Item	ALI-HVR3004H	ALI-HVR3008H	ALI-HVR3016H
Video/Audio Input	Video Compression	H.264		
	Video Input	4 channels	8 channels	16 channels
	Supported camera resolutions	720p30, 720p60,	720p30, 720p60, 1080p30	720p30, 720p60, 1080p30
	Video Input Interface	BNC (1.0 Vp-p, 75 Ω)		
	Audio Compression	G.711u		
	Audio Input	1 channel, RCA (2.0 Vp-p, 1 kΩ)		
	Two-way audio input	1 channel, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)		
Video/Audio Output	HDMI / VGA Output	1920 × 1080 × 60 Hz, 1280 × 1024 × 60 Hz, 1280 × 720 × 60 Hz, 1024 × 768 × 60 Hz		
	Frame Rate	Main stream: 1080P(non-real-time) / 720p / VGA / WD1 / 4CIF / CIF Sub-stream: WD1 (non-real-time) / 4CIF (non-real-time) / CIF / QCIF / QVGA		
	Synchronous Playback	4 channels	8 channels	16 channels
	Video Bit Rate	32 kbps ~ 6 Mbps		
	Stream Type	Video / Video & audio		
	Audio Output	1 channel RCA (linear, 1 kΩ)		
	Audio Bit Rate	64 kbps		
	Dual Stream	Supported		
	Stream type(s)	Video, video and audio		
	Playback resolution	1080p / 720p / VGA / WD1 / 4CIF / CIF / QVGA / QCIF		
	Network Management	Remote connections	128	
Network protocols		TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS		
Hard Disk	Capacity	Up to 4TB		
	SATA	1 SATA Interface	2 SATA Interfaces	
External Interface	Network Interface	1 10M / 100M self-adaptive Ethernet interface	1 10M / 100M / 1000M self-adaptive Ethernet interface	
	USB Interface	2 × USB 2.0		
	Serial Interface	1 standard RS-485 interface, half-duplex		
General	Power supply	12 Vdc		
	Consumption	≤ 15 W	≤ 20 W	≤ 30 W
	Working temperature	14°F ~ 131°F (-10 °C ~ +55 °C)		
	Working humidity	10 % ~ 90 %		
	Chassis	1 U chassis	15.0" 1 U chassis	
	Dimension (w × d × h)	12.4" × 9.53" × 1.8" (315 mm × 242 mm × 45 mm)	15.0" × 11.4" × 1.89" (380 mm × 290 mm × 48 mm)	
	Weight	≤ 3.3 lb (1.5 Kg)	≤ 4.4 lb (2 Kg)	