

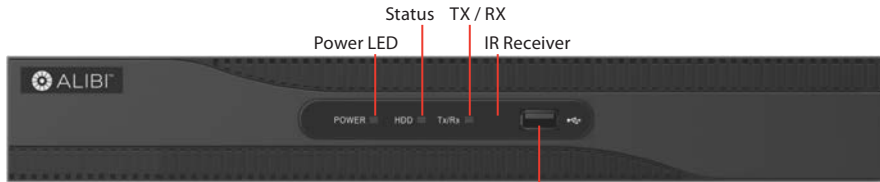
# ALIBI™ ALI-QVR3000H Series 4/8/16-Channel AHD, HD-TVI, 960H Analog and IP Camera Recorder Quick Setup Guide

This guide provides instructions to initially setup the ALI-QVR3000H series digital video recorder (DVR) for AHD, HD-TVI, 960H analog and IP cameras. For information about using your QVR and its extensive capabilities, refer to the *Alibi Embedded Network Video Recorder Firmware V3.4.x User Manual* provided at [www.alibisecurity.com/resources](http://www.alibisecurity.com/resources).

For more information, refer to these documents – available from your equipment vendor:

- *ALIBI™ Tools Utility Installation and User Manual*
- *ALIBI™ Witness Smartphone App for Android - Quick Start Guide*

## DVR Front Panel



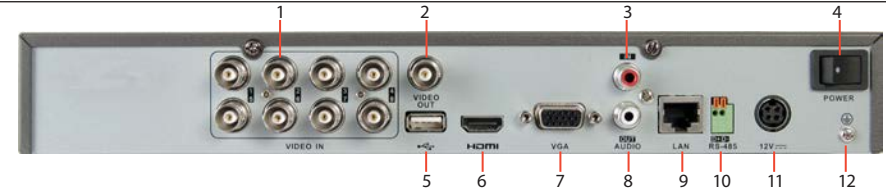
ALI-QVR3004H, ALI-QVR3008H front panel  
(ALI-QVR3016H, not shown, has the same controls and indicators)

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-QVR3004H back panel



ALI-QVR3008H back panel



ALI-QVR3016H back panel

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 (CVBS) BNC connector for CVBS video monitor.
3	AUDIO IN RCA connector for audio in cable.
4	ON / OFF switch Switch for powering the DVR on and off
5	USB Use this port for a USB mouse or USB memory device such as a flash drive or DVD burner. A USB port is also 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.
12	GND terminal Ground terminal post.

## 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 back panel 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.

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

## Installing the System

### Step 1. Getting Started: Unpacking the Equipment

#### What's in the box

Your system includes:

- ALI-QVR3000H Series DVR
- USB mouse
- HDMI cable
- Power adapter for DVR
- 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 Input ports on the back panel support most analog CCTV camera brands and Alibi HD-TVI, AHD, and 960H analog cameras.
- IP cameras installed on the Ethernet network (LAN) that associate with the DVR must be Alibi IP cameras.
- Tools to install the cameras and route power, video and audio 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

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 back panel connectors are accessible and the ventilation holes on the sides are not blocked.
2. Connect the ground terminal on the back of the DVR to an earth ground. Refer to local codes for proper grounding.

### Step 3. Install a monitor, mouse, power

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

1. Install and setup your monitor in accordance with the instructions provided with the monitor. Do not power it on at this time.
2. Cable the HDMI or VGA connector to your monitor's VGA or HDMI input. The HDMI interface provides the best performance.
3. Plug the mouse into the USB connector on the front or back of the DVR.
4. 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 RJ45 LAN connector on the back of the DVR.
5. Connect the power cord to the power connector on the back panel of the DVR, and then into a UPS (recommended) or surge protector.

### Step 4. Install cameras

Install your security cameras. Always follow the installation instructions provided with the camera.

### Step 5. 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 your cameras.
3. Power on the DVR using the power on / off (I / O) switch on the back panel.
4. 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).*

### Step 6. Using the Wizard for basic configuration setup

Power on the DVR. Normally, an Alibi logo splash screen appears within 2 minutes.



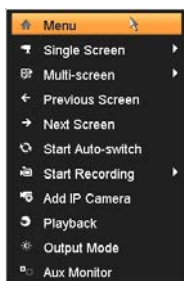
By default, the Setup Wizard will open automatically. Refer to the **ALIBI Embedded Network Video Recorder Firmware V3.4.x User Manual** for complete instructions for using the Wizard and configuring and using your DVR.

### Important Notes for using the Wizard:

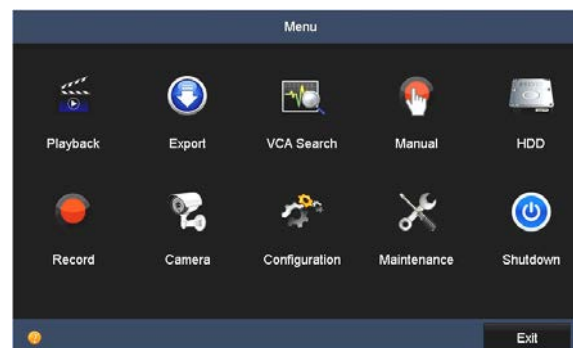
- **Password:** When logging into the recorder for the first time, create a “**Strong**” administrator user password. Follow the on-screen instructions, and save this password and the GUID file created by the firmware in a secure location. **NOTE:** There is no factory default password for this device.
- **Date and Time:** Set the time zone, date and time correctly. All recorded video and capture (photo) files are time stamped.
- **Storage - HDD:** In the HDD Management wizard, if a new recorder 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 recorder before it can be used to record data. Select (check the box for) that HDD, then click **Init** to initialize the disk. **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.
- **Network Settings:** By default, the recorder acquires its network settings using DHCP (dynamic network settings). Depending on the configuration of the network, these settings may change. To improve remote access to the recorder, Observint recommends that you configure the DVR with fixed network settings. To easily change the DHCP acquired network settings to fixed network settings, un-check the **Enable DHCP** option in the network setup menu, and then click **Apply**.

### Step 7. Access the Menu system

After the initial setup of your QVR 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 NVR system, either locally or remotely, with administrative privileges. To open the Menu system from the Live View screen, right click anywhere in the screen, then select **Menu**.



If ID Authentication is not disabled (see the **Menu | Configuration | General** settings), a login window will open. In the Login window, select a User Name with administrative privileges, enter its password, then click **OK**. A window of **Menu** icons will open.



For additional information about using your system, refer to the **ALIBI Embedded Network Video Recorder Firmware V3.4.x User Manual**.

### Specifications

Model	ALI-QVR3004H	ALI-QVR3008H	ALI-QVR3016H
Video compression	H.264		
Video input	4-ch	8-ch	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
Supported HDTV input	1080p / 25Hz, 1080p / 30Hz, 720p / 25Hz, 720p / 30Hz, 720P / 50Hz, 720p / 60Hz		
Supported AHD input	720p / 25Hz, 720p / 30Hz		
CVBS input	Support		
IP video input	1-ch, up to 2.0 MP resolution	2-ch, up to 2.0 MP resolution	
Audio compression	G.711u		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
CVBS output	Support		
HDMI / VGA output	1-ch, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60 Hz		1-ch, 4K (3840 × 2160) / 30Hz, 2K (2560 × 1440) / 60Hz, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60 Hz
Encoding resolution	When 1080p Lite mode is not enabled: 1080p (non-real-time) / 720p / VGA / 960H / 4CIF / CIF; When 1080p Lite mode enabled: 1080p lite / 720p lite / VGA / 960H / 4CIF / CIF		
Frame rate	Main stream: 1/16 fps to real time frame rate Sub-stream: 960H / 4CIF@12fps / 2CIF (non-real-time); CIF / QVGA / QCIF (real time)		
Video bit rate	32 Kbps to 6 Mbps		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Audio bit rate	64 Kbps		
Dual-stream	Support		
Stream type	Video, Video and Audio		

Model	ALI-QVR3004H	ALI-QVR3008H	ALI-QVR3016H
Synchronous playback	4-ch	8-ch	16-ch
Remote connections	128		
Network protocols	TCP / IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF		
SATA	1 SATA interface (1 HDD max)		2 SATA interfaces (2 HDDs max)
HDD Capacity	Up to 6TB capacity per HDD		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the audio input)		
Network interface	1 × RJ45 10M / 100M self-adaptive Ethernet interface		1 × RJ45 10M / 100M / 1000M self-adaptive Ethernet interface
USB interface	2 × USB 2.0		1 × USB 2.0 on the front panel 1 × USB 3.0 on the back panel
Serial interface	1 × RS-485 serial interface, half-duplex		
Power supply	12 Vdc		
Consumption (without HDD)	≤ 15 W	≤ 20 W	≤ 30 W
Working temperature	14 °F to 131 °F (-10 °C to +55 °C)		
Working humidity	10% to 90%		
Dimensions (W × D × H)	12.4 × 9.5 × 1.8 in (315 × 242 × 45 mm)		15.0 × 12.6 × 1.9 in (380 × 320 × 48 mm)
Weight (without HDD)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)	≤ 2 kg (4.4 lb)