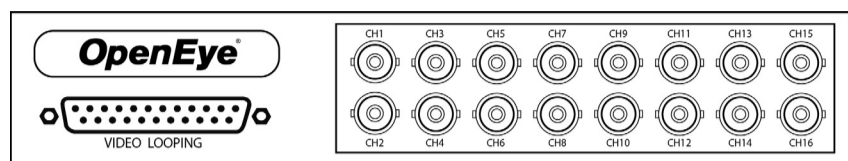
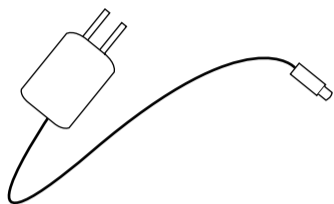


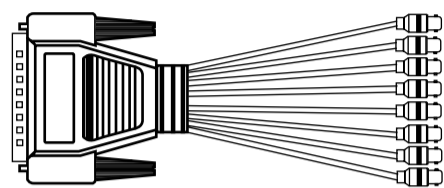
BOX CONTENTS



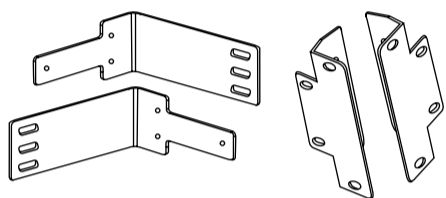
Encoder (8 or 16 channel model)



Power Cord



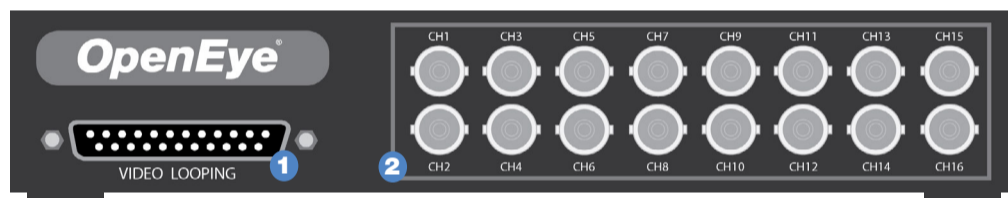
D-Sub Cable (Video Looping)



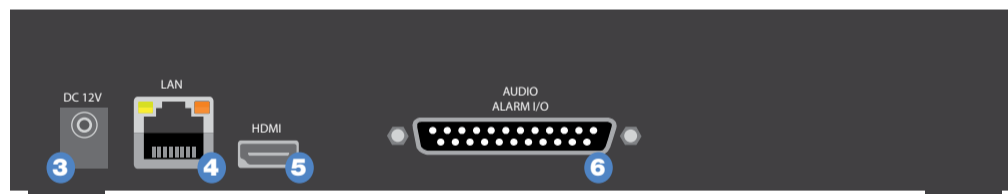
Rack (left) and Wall (right)
Mounts with Screws

CONNECTIONS

8/16CH Front

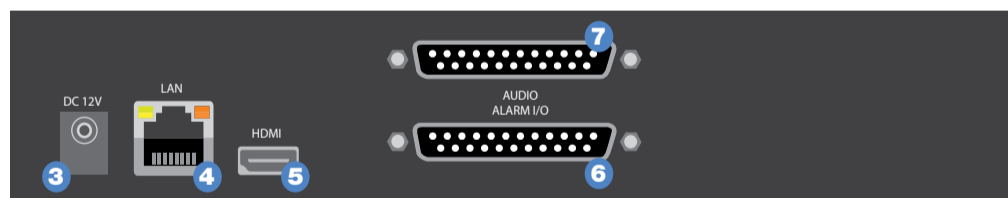


8CH Rear



*Audio and Alarm I/O are not currently supported

16CH Rear

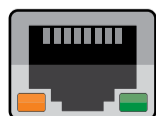


*Audio and Alarm I/O are not currently supported

Video Looping Out	1	Video looping out
Video In (BNC)	2	Video input streams from cameras (4/8/16)
Power Supply	3	DC12V power supply
LAN	4	LAN connection for network and browser support
HDMI Output	5	HDMI input for monitor connection
N/A	6*	Not currently supported
N/A	7*	Not currently supported

Ethernet Cable

Connect a network cable to the encoder using the RJ-45 input and connect the other end of the cable to your network switch or recorder. Check the status of the network connection by looking at the link and activity LEDs. If the LEDs are not lit, check your network connection.



The green link LED indicates a network connection and the orange activity LED flashes to indicate network activity.

This quick start guide is a reference for users to install and operate their OpenEye encoder and provides basic information on the encoder's settings and operation. Before attempting to connect, configure and operate the encoder, please read this document thoroughly.

PRODUCT FEATURES

- H.264 video compression
- 30 FPS @ 960H
- Rack and wall mount brackets included
- Looping outputs
- HDMI spot monitor output

TURNING THE ENCODER ON

1. Connect the **power cord** to the encoder, and then plug the cord into a power source.
2. Connect the **network cable, accessory cables, and monitor (optional)**, to the encoder.
3. Plug the power cord into the encoder, and then plug the power cord into a power source.



NOTE Acceptable power input is between 110vAC~ 240vAC.

CONNECTING TO THE ENCODER

To access the encoder setup menu, you must install the OpenEye Network Camera Manager (NCM) on a PC that resides on the same network as the encoder.



NOTE The encoder and the PC you use to access the encoder must be on the same network.

Using the OpenEye Network Camera Manager to Connect to the Encoder

To install the OpenEye Network Camera Manager application on your PC, download the program from OpenEye.net, and follow the prompts.

1. Open **NCM**, and then click **Find Devices**.
2. Double-click the **encoder** in the Device List, and then click **Browse** to open the encoder software in Internet Explorer.



NOTE The first time you connect to the encoder, you are automatically prompted to install a plugin to view live video.

Using the RTSP Stream to Stream Video from the Encoder

The URL for the encoder RTSP stream will allow you to stream video directly from the encoder using an OpenEye recording device or VLC.

Encoder RTSP Stream URL syntax: **rtsp://admin:1234@192.168.0.250/h264/ch[1-16].[1-2]**



NOTE The username and password are only needed in the RTSP stream if you are using VLC and are prompted for them.

Default Username and Password

The Username and Password are case sensitive. It is strongly recommended that the password be changed after the initial setup to prevent unauthorized access. Any password change will need to be applied to your recorder also.

Default Username: admin

Default Password: 1234

ENCODER SETUP

Network Settings

1. Click **Encoder Setup**, and then click **Network Setup**.
2. To use the encoder default IP address, select **Use Fixed IP Address** (recommended).
 - a. Enter the **default IP address**.
 - b. Verify the **subnet mask, default gateway, primary DNS,** and **mac address** for the encoder.
 - c. Click **Save**.
3. To automatically assign an IP address, select **Get IP Address Automatically**.

Date / Time Settings

1. Click **Encoder Setup**.
2. Select the appropriate **Time Zone**, and then select the desired **date format**.
3. Select a method of date and time sync.
 - **Sync with NTP Server** - use a specified NTP server and update interval for the date and time.



NOTE **Sync with NTP Server** is the recommended Date / Time setting. The NTP server address is **pool.ntp.org**.

- **Sync with computer time** - use the PC date and time.
 - **Manual** - manually enter the date and time.
4. Click **Save** to apply the changes.

Monitor Resolution



NOTE The Monitor Resolution section applies to spot-out only.

1. Click **Encoder Setup**.
2. In the **Monitor Resolution** tab, select a **resolution**.



NOTE HDMI spot-out resolution options include 1024 x 768, 1280 x 1024, 720p, and 1080p.

3. Click **Yes** to accept the resolution change and restart the Encoder.

Picture Settings

Camera Setup

Video Adjust	Brightness
	Contrast
	Saturation
	Hue
	Termination ON or OFF

Stream Settings

Resolution	Sets the resolution of Stream 1 and Stream 2
Bit Rate	Sets the bit rate of Stream 1 and Stream 2
Frame Rate	Sets the frame rate of Stream 1 and Stream 2
GOP	Sets the GOP of Stream 1 and Stream 2

Sequence Setup



NOTE Sequence Setup is only relevant to spot monitor or local view only.

1. To set all channels, select **Circular** in the channel selection box.
- or - Select a single **channel** from the channel selection box.
2. Select the **position** you desire the channel to appear in the sequence.
3. Type the **sequence duration time** (in seconds) you want each channel to display.
4. Set sequence activate to **ON**.
5. Click **Save**.

Firmware Update

1. Click **Encoder Setup**, and then click **Software**.
2. Click **Upgrade**, and then navigate to the desired upgrade file, and then click **OK**.

The encoder firmware will update, and then encoder will reboot upon completion.

Factory Restore and Reboot

1. Click **Encoder Setup**, and then click **Maintenance**.
2. Select Reboot or a method of Restore.
 - **Reboot**- restart the encoder.
 - **Full Restore** - restore the encoder to factory default settings, including network settings.
 - **Partial Restore** - restore the encoder to factory default settings, excluding network settings.
3. Click **Yes** (or **OK**) to accept the Restore or Reboot.