IQ inVision ®

IQeye Alliance-mini Series

Installation and Operating Instructions

Important Safeguards

CAUTION

RISK OF ELECTRIC SHOCK, DO NOT OPEN!

CAUTION: BEWARE OF RISK OF ELECTRICAL SHOCK. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Due to product size and space limitations, this label may not appear on all products.

The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's 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 presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNITS TO RAIN OR MOISTURE.

Attention: Installation should be performed by qualified service personnel only in accordance with the National Electrical Code or applicable local codes.

Contents

1 Service

If the unit needs repair service or parts, the customer should contact IQinVision for authorization to return, as well as shipping instructions.

IQinVision
33122 Valle Road
San Juan Capistrano, CA 92675-4853
Phone: +1-949-369-8100 or 1-877-850-0805 (toll-free in U.S.)
Fax: +1-949-369-8105

2 Unpacking

The IQeye Alliance-mini should include the following:

Standard Camera Model

1. IQeye Alliance-mini camera with plastic black trim ring
2. Additional plastic trim ring in beige
3. IQeye Alliance-mini Installation and Operating Instructions
4. Mini-CD with IQeye PC Tools
5. Mounting hardware
6. Trim cover removal tool
7. Microphone In/Line Out audio cable (H.264 camera model only)

Interior Vandal Camera Model

1. IQeye Alliance-mini camera with aluminum black trim ring
2. Additional aluminum trim ring in beige
3. IQeye Alliance-mini Installation and Operating Instructions
4. Mini-CD with IQeye PC Tools
5. Mounting hardware
6. Qty (2) spare tamper-proof trim cover screws
7. Torx T-10 security wrench
8. Microphone In/Line Out audio cable (H.264 camera model only)

Note:

1. If the optional Alliance-mini IQD4-WB (black) or IQD4-WG (beige) Wall Mount Adapter is purchased, the package should include the following (for use with Standard Camera Model only):

   A. Wall Mount Adapter
   B. Qty (2) Screws
   C. Installation & Operating Instructions
   D. Mounting Hardware

2. If the optional Alliance-mini IQD4-PB (black) or IQD4-PG (beige) Pendant Mount Adapter Pack is purchased, the package should include the following (for use with Standard Camera Model only):

A. Qty (5) Pendant Mount Adapters
B. Qty (10) Screws - Two Per Pendant Mount
C. Installation & Operating Instructions

3 Description

The IQeye Alliance-mini is a compact high-resolution mini-dome camera system with models that support MJPEG or both H.264 and MJPEG video compression, and are suitable for indoor and vandal indoor installation via wall- or ceiling-mounting. Optional adapters allow the standard camera models to be single-gang box wall-mounted as well as pendant-mounted. The IQeye Alliance-mini comes with a black trim ring installed (plastic trim ring for Standard models & aluminum trim ring for Interior Vandal models), and also includes an extra trim ring in beige so that the camera will look attractive in any décor.

4 Installation

This manual describes how to install the IQeye Alliance-mini, including installation with the optional wall mount, as well as the optional pendant mount. Installations should be performed by qualified service personnel only in accordance with local, state and national code(s).

5 Mounting Options

The IQeye Alliance-mini is designed to be used in one of the following configurations:

NOTE: The first section of this guide covers installation of an IQeye Alliance-mini without the optional mounting adapters. The subsequent sections briefly discuss how to mount the dome camera with the optional adapters.

6 Mounting on to an Interior Durable Surface Wall

1. Remove the trim cover

   Standard Camera Model:

Side 1

Side 2

Cover Removal

Image 6.1

Interior Vandal Camera Model:

Side 1   Side 2   Cover Removal   Ethernet Pass-Through

Image 6.2

Note: The H.264 camera models include an internal microphone. The microphone is disabled by default.

Image 6.3

2. Mount the IQeye Alliance-mini camera base to the desired wall or ceiling surface using the supplied or equivalent mounting hardware.

3. Remove the camera shroud by placing the palm over the top of the shroud, then gently squeezing the two tabs toward the front of the shroud toward the center of the camera. Pivot these tabs away from the camera then pull the shroud off camera as shown in Image 6.4.

Image 6.4

4. Set the field-of-view using the IQeye Alliance-mini's 3-axis gimbal.

5. Focus the camera by twisting the fixed-focal length lens clockwise or counter-clockwise to achieve the desired focus.

NOTE: Leave the rubber o-ring around the lens mount in place as shown in image 6.5.

Image 6.5

6. Replace the camera shroud by first positioning the shroud against the rear shroud tab then pivoting the shroud down toward the front two mounting tabs. Squeeze the shroud gently and push it down to engage the front two mounting tabs.

7. Replace the trim cover

   Standard Camera Model:

Image 6.6

Interior Vandal Camera Model:

Note: The cover fits in only one orientation. Do not apply excessive force or damage to the trim cover may occur. If it does not push down easily on to the camera, the cover may be flipped 180° from the correct orientation. Remove the cover, flip it 180° and try again. An easy way to identify the correct orientation is to look for the "Activity LED" hole in the trim ring and align that on the same side of the camera as the Activity LED.

7 IQeye Alliance-mini Single-Gang Wall Mount Installation

Standard Camera Model

1. Pull the PoE Ethernet cable through the back slot of the Wall Mount as shown in Image 7.1, and attach the Wall Mount to a single-gang box or to a durable interior wall surface using the supplied or equivalent hardware.

Figure 7.1

2. Pull the PoE Ethernet cable through the cable pass-through in the camera base plate and connect it to the camera's Ethernet port.
3. Attach the camera base plate to the wall mount using the supplied quantity. (2) machine screws.
4. Setup the camera as described in steps 3-6 in section 6.

8 IQeye Alliance-mini Pendant Mount Installation

1. Pull the PoE Ethernet cable through the top of the Pendant Mount and attach the Pendant Mount to the conduit by threading the pendant cover to the conduit as shown in Image 8.1.

2. Pull the PoE Ethernet cable through the cable pass-through in the camera base plate and connect it to the camera's Ethernet port.

3. Attach the camera base plate to the Pendant mount using the supplied quantity. (2) machine screws.

Figure 7.1

4. Setup the camera as described in steps 3-6 in section 6.

Note: The IQeye Alliance-mini Pendant Mount does not provide a weather seal to the camera. The IQeye Alliance-mini in all of its mounting configurations is still an interior camera.

9 PC Configuration of the IQeye Alliance-mini

1. Plug the IQeye camera into the network.
2. The IQeye Alliance-mini cameras are powered via the Ethernet using an IEEE 802.3af power source.

Power Source Warning
Note that the IQeye Alliance-mini camera can only be powered with a standard IEEE 802.3af PoE injector or PoE switch. It CANNOT BE POWERED with DC, AC or with the IQinVision proprietary IQpoet™ injector.

3. IQeye Alliance-mini field of view and focus adjustment must be performed using a browser to view the camera image.

    A. Insert the IQtools CD into the CD drive of the PC. Once the CD auto-starts, run IQfinder either from the CD by clicking "Scan for IQeye cameras on my network" or by installing IQfinder on the local machine by selecting "Install IQfinder".
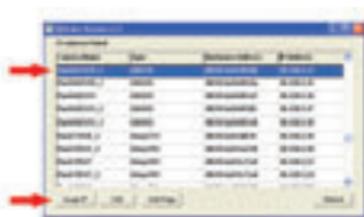
B. Click the "Scan for IQeye cameras on my network" to find IQeye cameras.

The detected cameras will be displayed in the IQfinder window. Select a camera from the list and click the "Assign IP" to edit the selected camera's IP settings.

C. The "Assign IP" window allows the IP Address, Subnet and Gateway of the camera to be changed, and alternatively the camera to be configured for DHCP operation. Click the "Apply" button after making the desired changes.

Note: Changing between a static IP address and DHCP will require the camera to be rebooted.

D. To view a camera "Double click" on a camera entry or highlight a camera in the list and click the "Web Page" button. . The "Live" page will be displayed through your default browser (IE recommended). It is also possible to open Internet Explorer and enter the IP address of the IQeye camera in the address field of the browser.

4. Additional Configuration
To perform further configuration of the camera click on the "Setup" tab.

Note: The default username is "root" and the default password is "system".

10 VLC for H.264 Stream

1. Using VLC for H.264 Stream
   A. To prepare the camera to serve an H.264 stream, install VLC Player (Version 1.0.1 or higher) from https://videolan.org/vlc/ and use default installation parameters.

   B. Launch VLC Player.

   C. Click on "Media" and then "Open Network Stream".

   D. On the "Network" tab choose RTSP under the "Protocol" drop down. Then enter the IP address of the camera under the "Address" field.
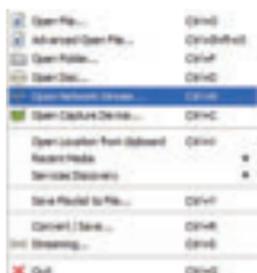
   E. Click the down arrow next to the "Play" button on the bottom right to expand the list. From the menu choose "Play". The video player will open with the live H.264 video stream.
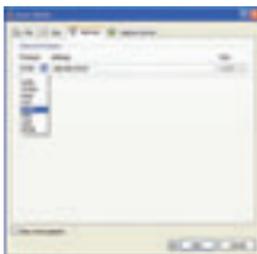
2. Additional Documentation
   For additional information and technical documents, including detailed configuration of VLC, please visit http://www.iqeye.com/support/manuals.html
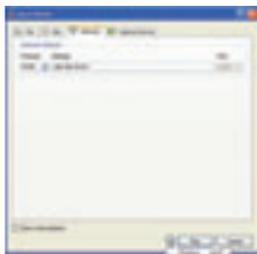
For further information see the IQeye documentation on the installation CD or at http://www.iqeye.com.

VLC Player

Open Network Stream

RTSP Protocol

H.264 Stream

IQ inVision ®

3/5 Year Limited Hardware Warranty

Notes