IQeye 7 Series
Megapixel Indoor IP Camera

Quick Install Guide
1 Camera Connection Overview

1. **SDHC Card Slot** - An SDHC card (not included) can be used for on-camera recording.

2. **Network Connector** - RJ-45 Power-over-Ethernet connector.

3. **Power Connector** - Captive 2-pin screw terminal for 12-24VDC or 24VAC power source.

4. **Analog Video Out** - 2.8mm connector with continuous analog video output for NTSC or PAL video systems. Use analog video cable or adapter IQ76x-AVC (not included).

5. **Reset Button** - for Setting the camera back to factory default settings.

6. **1/4 - 20 Mount** - Provided on both the top and bottom of the camera for mounting to a camera mount.

7. **Microphone** - Built-in mono microphone.

8. **Audio/Trigger Connector** - For connecting an external microphone, amplified loudspeakers, alarm trigger input, and outputs to external devices.

9. **Product Label** - Used to identify the product.
2 Audio/Trigger Pin Out

1. \text{RelayOut} +
2. \text{RelayOut} -
3. \text{Trigger In} +
4. \text{Trigger In} -
5. \text{Speaker} -
6. \text{Speaker} +
7. \text{Microphone} -
8. \text{Microphone} +

3 Getting Started

1. Plug the IQeye camera into the network.

2. Power the camera using either Power-over-Ethernet or direct power.

\textbf{Power-over-Ethernet:} Input from an IEEE802.3af Power-over-Ethernet (PoE) power injector or switch as shown in Figure 1.

\textbf{Direct Power:} Connect either a 12-24VDC or 24VAC power source to the camera. Wire polarity is not important, therefore + or - connections can be connected to either terminal as shown in Figure 2.
NOTE: Using a power source with specifications other than those defined will damage the camera, and will void the product warranty.

3. The IQ76x Series camera position, field-of-view and focus adjustment can be performed using an analog monitor with the optional analog video cable adapter IQ76x-AVC (Figure 3) or by using a browser to view the camera image.

4 PC Configuration of 7 Series

NOTE: The default user name for all IQeye devices is “root” and the default password is “system”. IQeye cameras are configured for DHCP and will have an IP address assigned if a DHCP server is on the network. If a DHCP server is not available, the camera will self-assign an IP address using Automatic Private IP addressing. A static IP address can be configured using either IQfinder or IQmanager.

1. Download and install IQfinder from the Vicon website. Launch and scan for camera on the network by clicking the refresh button. The detected cameras will be displayed in the IQfinder window. Select a camera from the list and click “Assign IP” to edit the selected camera’s network settings. Refer to Figure 4.

2. 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 (Figure 5).

NOTE: Changing between a static IP address and DHCP will cause the camera to reboot.
3. To view a camera, double-click a camera entry or highlight a camera in the list and click the “Web Page” button (Figure 6). The “Live” page will be displayed through the 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. If prompted, install the Active X control (Figure 7).

4. To perform further configuration of the camera click on the “Setup” tab.

**NOTE:** The default username is “root” and the default password is “system”.

For additional information and technical documents, please visit www.vicon-security.com.
5. To complete focusing using the one-touch focus method go to the Setup > Focus tab (Figure 8).

**Figure 8**

6. Set the iris on the lens to the ‘Open’ position then lock it down with the iris set screw.

7. If the back focus has been set before using the camera, click the “restore defaults” button on the Focus tab to reset the back focus adjustment.

8. Use the Varifocal adjustment on the lens to set the field-of-view, then lock the Varifocal adjustment set screw.
9. Focus the lens using adjustment on the lens, then lock the focus adjustment set screw.

**NOTE:** The focus adjustment should be close to ensure the one-touch focus adjustment can be completed.

The following image (Figure 9) is an example of an image not focused enough to ensure a remote one-touch focus can be completed.

![Figure 9](image1.png)

The following image (Figure 10) is an example of an image focused enough to ensure a remote one-touch focus can be completed.

![Figure 10](image2.png)

10. On the Focus tab click the one-touch focus button to focus the video image (Figure 11).

![Figure 11](image3.png)
11. To prepare the camera to serve the H.264 stream, select “H.264” from the drop-down menu (Figure 12). To view the H.264 stream in full screen mode (without ‘Live’ page controls), double click on the video window. Double-click on the video window again to return back to the ‘Live’ page.

For additional information and technical documents, please visit www.vicon-security.com
Shipping Instructions
Use the following procedure when returning a unit to the factory:

1. Call or write Vicon for a Return Authorization (R.A.) at one of the locations listed below. Record the name of the Vicon employee who issued the R.A.

Vicon Industries Inc.
135 Fell Court
Hauppauge, NY 11788
Phone: 631-952-2288; Toll-Free: 1-800-645-9116; Fax: 631-951-2288

For service or returns from countries in Europe, contact:

Vicon Industries (U.K.) Ltd
Brunel Way
Fareham, PO15 5TX
United Kingdom
Phone: +44 (0)1489/566300; Fax: +44 (0)1489/566322

2. Attach a sheet of paper to the unit with the following information:

   a. Name and address of the company returning the unit
   b. Name of the Vicon employee who issued the R.A.
   c. R. A. number
   d. Brief description of the installation
   e. Complete description of the problem and circumstances under which it occurs
   f. Unit’s original date of purchase, if still under warranty

3. Pack the unit carefully. Use the original shipping carton or its equivalent for maximum protection.
4. Mark the R.A. number on the outside of the carton on the shipping label.
Vicon Standard Equipment Warranty

Vicon Industries Inc. (the “Company”) warrants your equipment to be free from defects in material and workmanship under Normal Use from the date of original retail purchase for a period of three years, with the following exceptions:

1. All IQEYE Cameras: Two years if purchased before 1/1/2011.
2. Alliance-mini (IQD3xx), Alliance-mx (IQMxxx) and 3 Series (IQ03xx): Five years if purchased between 1/2/2011 – 12/31/2014.
4. Uninterruptible Power Supplies: Two years from date of original retail purchase.
5. VDR-700 Recorder Series: One year from date of original retail purchase.
6. V5616MUX: One year from date of original retail purchase.
7. Arecont Cameras: One year from date of original retail purchase.
8. FMC series fiber-optic media converters and associated accessories: Lifetime warranty.
9. For PTZ cameras, “Normal Use” excludes prolonged use of lens and pan-and-tilt motors, gear heads, and gears due to continuous use of “autopan” or “tour” modes of operation. Such continuous operation is outside the scope of this warranty.
10. Any product sold as “special” or not listed in Vicon’s commercial price list: One year from date of original retail purchase.

NOTE:
• If the product is to be used outdoors or in dusty, humid, or other hostile environments, it must be suitably protected.
• Camera products must be protected, whether in use or not, from exposure to direct sunlight or halogen light as the light may damage the camera image sensor. This applies to both indoor and outdoor use of the cameras.
• For camera products supplied without a lens, extreme care should be used when mounting a lens on these products. Damage to the product due to incorrectly mounted lenses will invalidate this limited hardware warranty.
• Failure to comply with any of the aforementioned requirements will invalidate this Limited Hardware Warranty.

Date of retail purchase is the date original end-user takes possession of the equipment, or, at the sole discretion of the Company, the date the equipment first becomes operational by the original end-user.

The sole remedy under this Warranty is that defective equipment be repaired or at the Company’s option) replaced, at Company repair centers, provided the equipment has been authorized for return by the Company, and the return shipment is prepaid in accordance with policy. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer. When a product or part is exchanged the replacement hardware becomes the property of the original purchaser and all hardware or part thereof that is replaced shall become the property of Vicon.

The sole remedy under this Warranty is that defective equipment be repaired or at the Company’s option) replaced, at Company repair centers, provided the equipment has been authorized for return by the Company, and the return shipment is prepaid in accordance with policy. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer. When a product or part is exchanged the replacement hardware becomes the property of the original purchaser and all hardware or part thereof that is replaced shall become the property of Vicon.
The warranty does not apply (a) to faulty and improper installation, maintenance, service, repair and/or alteration in any way that is not contemplated in the documentation for the product or carried out with Vicon consent in writing, operation adjustments covered in the operating manual for the product or normal maintenance, (b) to cosmetic damages, (c) if the product is modified or tampered with, (d) if the product is damaged by acts of God, misuse, abuse, negligence, accident, normal wear and tear and deterioration, improper environmental conditions (including, but not limited to, electrical surges, water damage, chemical exposure, an/or heat/cold exposure) or lack of responsible care, (e) if the product has had the model or serial number altered, defaced or removed, (f) to consumables (such as storage media or batteries) (g) to products that have been purchased “as is” and Vicon the seller or the liquidator expressly disclaim their warranty obligation pertaining to the product, (h) to any non-Vicon hardware product or any software (irrespective of packaged or sold with Vicon hardware product) and Vicon products purchased from an unauthorized distributor/reseller, (i) to damage that occurs in shipment or (j) to damages by any other causes not related to defective design, workmanship and/or materials.

The warranty for the products shall run from Vicon to End User customers only (including product purchased through authorized partners and resellers). Vicon is not obligated under any circumstances to honor warranties on product(s) purchases from internet auction sites including eBay, uBid or from any other unauthorized resellers. Except as explicitly provided herein, Vicon disclaims all other warranties, including the implied warranties of fitness for a particular purpose and merchantability.

Software supplied either separately or in hardware is furnished on an “As Is” basis. Vicon does not warrant that such software shall be error (bug) free. Software support via telephone, if provided at no cost, may be discontinued at any time without notice at Vicon’s sole discretion. Vicon reserves the right to make changes to its software in any of its products at any time and without notice.

The Warranty and remedies provided above are exclusive and in lieu of all other express or implied warranties including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose. Certain jurisdictions do not allow the exclusion of implied warranties. If laws under such jurisdictions apply, then all express and implied warranties are limited to the warranty period identified above. Unless provided herein, any statements or representations made by any other person or firm are void. Except as provided in this written warranty and to the extent permitted by law, neither Vicon nor any affiliated shall be liable for any loss, (including loss of data and information), inconvenience, or damage, including, but not limited to, direct, special, incidental or consequential damages, resulting from the use or inability to use the Vicon product, whether resulting from breach of warranty or any other legal theory. Notwithstanding the foregoing, Vicon total liability for all claims under this warranty shall not exceed the price paid for the product. These limitations on potential liabilities have been an essential condition in setting the product.
No one is authorized to assume any liability on behalf of the Company, or impose any obligations on it in connection with the sale of any Goods, other than that which is specified above. In no event will the Company be liable for indirect, special, incidental, consequential, or other damages, whether arising from interrupted equipment operation, loss of data, replacement of equipment or software, costs or repairs undertaken by the Purchaser, or other causes.

This warranty applies to all sales made by the Company or its dealers and shall be governed by the laws of New York State without regard to its conflict of laws principles. This Warranty shall be enforceable against the Company only in the courts located in the State of New York.

The form of this Warranty is effective February 1, 2015.

THE TERMS OF THIS WARRANTY APPLY ONLY TO SALES MADE WHILE THIS WARRANTY IS IN EFFECT. THIS WARRANTY SHALL BE OF NO EFFECT IF AT THE TIME OF SALE A DIFFERENT WARRANTY IS POSTED ON THE COMPANY’S WEBSITE, WWW.VICON-SECURITY.COM. IN THAT EVENT, THE TERMS OF THE POSTED WARRANTY SHALL APPLY EXCLUSIVELY.