

IQeye Alliance™ & Sentinel™ Series  
**Pole Mount Adapter**



**IQ800-PMA - Installation and  
Operating Instructions**

# Important Information

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This product is intended for use with all IQeye Alliance (with Outdoor Back Box and Wall Mount Kit) and Sentinel 8xx Series cameras. It is not designed for, and will not necessarily be compatible with other camera systems.

This product is designed for use with the supplied BAND-IT® 0.5 inch (12.7 mm) x 48-inch (1.22 M) metal tensioning straps and a proper tensioning tool (not included) for proper installation to a pole. Two recommended tensioning tools are the BAND-IT® C00169 or Videalarm's PM3T.

In order to ensure stability of the camera image, IQinVision recommends using a pole not less than 4 inches in diameter. Poles with diameters less than 4 inches may experience frequent and uncontrollable shaking of the camera in environments with heavy wind or transient vibration, which will translate into blurred images.

The 48-inch (1.22M) straps included with the Alliance and Sentinel Pole Mount Adapter kit can be single wrapped, but they are designed to be double wrapped for maximum radial compression. If double wrapped, the straps are effective on poles up to 7 inches (178 mm) in diameter. If single wrapped, the straps will allow mounting of the Pole Mount Adapter to poles as wide as 14 inches (356 mm) in diameter. Poles wider than this will require longer straps (not supplied).

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# 1. Unpacking

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## Remove the Pole Mount Adapter and related hardware from the box

Hardware included in the box should include:

- a. (1) IQinVision Pole Mount Adapter for the Alliance or Sentinel 8xx Series camera.
- b. (4) 1-inch M6 Allen head screws for mounting the Alliance (with Outdoor Back Box and Wall Mount Kit) or Sentinel Junction box (not included) to the Pole Mount Adapter
- c. (1) 5mm Allen wrench
- d. (4) Spring lock washers
- e. (2) BAND-IT(R) 0.5 inch (12.7mm) x 48-inch (1.22 M) metal tensioning strap

Tools needed for assembly include:

- a. Tensioning tool
- b. Hammer

## 2. Attaching Alliance/Junction Box to Adapter

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### a. Attach Alliance (with Outdoor Back Box & Wall Mount Kit) to Pole Mount Adapter

- i. Thread the Ethernet cable and any other secondary cabling through the center hole in the Pole Mount Adapter and through the 3/4" conduit hole in the side of the Alliance Outdoor Back Box.
- ii. Attach the Alliance Outdoor Back Box to the Alliance Wall Mount using the supplied or equivalent hardware.
- iii. Line up the four mounting holes on the Alliance Wall Mount with the corresponding holes on the face of the Pole Mount Adapter. Using the 5mm Allen wrench, secure the 4 included 1-inch M6 Allen head screws through the mount holes in the Alliance Wall Mount to the threaded receivers on the Pole Mount Adapter. Thread supplied spring lock washers onto the 1-inch M6 Allen head screws.

- iv. Make any cable connections and snap the Alliance camera module into the Alliance Outdoor Back Box, and attached the supplied bubble.

## **b. Attach Sentinel Junction Box to Pole Mount Adapter**

**NOTE:** *If using the rear weather fittings of the Sentinel Junction Box, please follow step 'i.' If using the ½" conduit opening on the bottom of the Sentinel Junction Box, skip to step 'iii.'*

- i. Thread the Ethernet cable and any other secondary cabling through the center hole in the Pole Mount Adapter and through either or both of the rear weather fittings on the Sentinel Junction Box, making sure to pull enough cabling through to be able to work with later in the installation.
- ii. Tighten the rear weather fittings to secure the cable(s).
- iii. Line up the four mounting holes on the rear of the Sentinel Junction Box with the corresponding holes on the face of the Pole Mount Adapter. Using the 5mm Allen wrench secure the 4 included 1-inch M6 Allen head screws through the mount holes in the Sentinel Junction box to the threaded receivers on the Pole Mount Adapter. Thread supplied spring lock washers onto the 1-inch M6 Allen head screws.

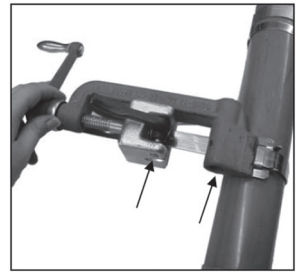
## **3. Attaching Adapter to Pole**

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**NOTE:** *Visually inspect the pole to be used for loose or deteriorated materials and either repair this area or choose an area of the pole that is free from such defects.*

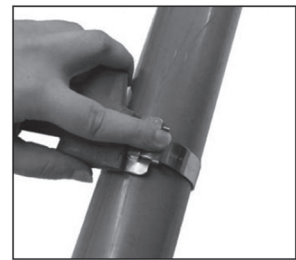
- a. Thread the tensioning straps so that each of the two straps passes through one pair of slots and around the pole. On poles that are 7 inches (178 mm) or less in diameter, it is recommended that the straps be double wrapped around the pole and through the slots before tensioning and securing.
- b. Once the desired height of the Pole Mount Adapter is achieved, tighten the straps down using a tensioning tool (not included) to the desired or specified tension using the following instructions:

1. Ensure one end of the strap is inserted into the buckle.
2. Wrap strap around the pole and through the slots on the Pole Mount Adapter, and bring the end back through the buckle.
3. If possible, wrap the strap a second time around the pole, through the Pole Mount Adapter slots and through the buckle again.
4. Place leading end of strap in through the tensioning tool nose and move the nose up as close to the buckle as possible as shown in **Figure 1**. This will ensure that the buckle does not slide into the tool nose during tensioning.



**Figure 1**

5. Make sure the leading edge is securely clamped into the tensioning mechanism as shown in **Figure 1**.
6. Apply tension by turning the handle.
7. When tight, place finger on BANDIT® strap at the bridge of the buckle as shown in **Figure 2** while continuing to slowly turn the tool handle. When the strap stops moving through the buckle, it is at maximum tension.



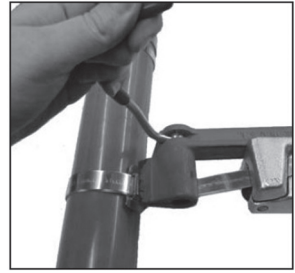
**Figure 2**

8. As shown in **Figure 3**, roll the tool over the buckle, backing off with the tension handle throughout the entire rolling operation. Failure to back off with the tension handle may result in the strap breaking. Only back off the tension tool enough to allow the strap to bend around the buckle.



**Figure 3**

9. Pull the cutting handle near the tool nose to cut the strap as shown in **Figure 4**.



**Figure 4**

10. Remove tensioning tool, holding the stub of the strap down with thumb as shown in **Figure 5**.



**Figure 5**

11. Remove thumb and using a hammer, knock the strap stub flat against the buckle, and then hammer down the two buckle ears over the strap stub as shown in **Figure 6**.



**Figure 6**

## **4. Attaching Camera Body/Junction Box**

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### **a. Attach Alliance with Outdoor Back Box and Wall Mount Kit**

i. Follow the instructions included with the Alliance Series cameras, and Outdoor Back Box and Wall Mount Kit to complete the installation.

### **b. Attach Sentinel Camera Body to Sentinel Junction Box**

i. Follow the instructions included with the Sentinel 8xx Series camera system to complete the installation.

# 5. IQinVision 2 Year Limited Hardware Warranty

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## Warranty Coverage

IQinVision, Inc. (“IQinVision”) warranty obligations are limited to the terms set forth below:

IQinVision warrants the original purchaser that the IQINVISION Network Video product enclosed with this limited hardware warranty will in respect of the hardware be free from defects in design, workmanship and materials under normal use for a period of two (2) years from the date of the original end-user purchase (“Warranty Period”).

The original purchaser shall without undue delay notify IQinVision of any defect which appears according to IQinVision’s RMA Handling procedure, failure to which shall mean that the purchaser loses its right to have the defect remedied. A valid form of a bill of sale or receipt from an authorized retailer/distributor with the date of the original purchase must be presented to obtain warranty service. If a valid claim is received within the Warranty Period, the sole remedy of the original purchaser and IQinVision’s sole and exclusive liability shall be limited to, at IQinVision’s sole discretion, IQinVision will repair or replace defective parts of the IQeye camera with new parts, or with serviceable used parts that are superior or equivalent in performance to new parts, without charge. 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 IQinVision.

This Limited Warranty is applicable in all countries and may be enforced by contacting IQinVision support worldwide, for more information please visit our web site [www.iqeye.com](http://www.iqeye.com)

## Exclusions and Limitations

This 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 IQinVision’s consent in writing, operational 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, accident, normal wear and tear and deterioration, improper environmental conditions (including, but not limited to, electrical surges, water damage, chemical exposure, and/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 IQinVision, the seller or the liquidator expressly disclaim their warranty obligation pertaining to the product, misuse, abuse, negligence, (h) to any non-IQinVision hardware product or any software (irrespective of packaged or sold with an IQinVision hardware product) and IQinVision 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.

All Inquiries for RMA and Warranty Repair should be directed to [support@iqeye.com](mailto:support@iqeye.com) or to the following:

## IQinVision

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Phone: +1-949-369-8100 or 1-877-850-0805 (toll-free in U.S.)

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## NOTE:

- If the product is to be used outdoors or in dusty, humid, or other hostile environments, it must be suitably protected.
- 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.

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 IQINVISION NOR ANY AFFILIATES 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 IQINVISION PRODUCT, WHETHER RESULTING FROM BREACH OF WARRANTY OR ANY OTHER LEGAL THEORY. NOTWITHSTANDING THE FOREGOING, IQINVISION 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.

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