



IR Version

## **MegaView**® v1x Series

All-in-One H.264 Bullet Camera Solutions

## MegaView™ v1x Installation Manual

### Inside the box:

- A. Arecont Vision MegaView™ v1x
- B. Pack of four (4) wood screws and four (4) dry wall anchors
- C. Security L-key
- D. Mounting Template

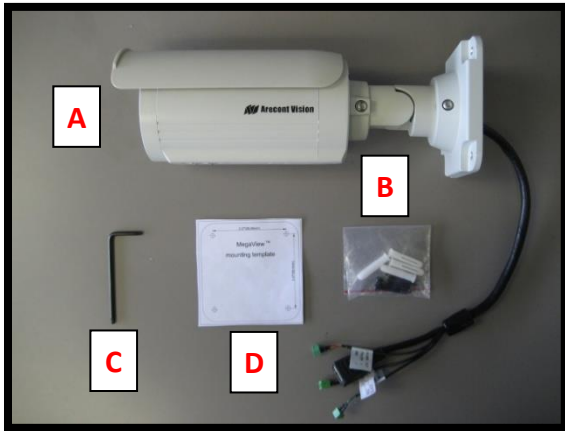


Image 1

### Not included but needed:

- #1 Phillips head screw driver
- #2 Phillips head screw driver

### Mounting the Camera:

1. Remove camera and hardware from the box.

*NOTE : MegaView™ v1x is available in two versions, DN and IR, shown in **image 2**. Both versions have motorized day night switcher but only IR version supports an IR LED ring.*



IR version

Image 2

DN version

2. Use the Mounting Template to prepare the mounting provisions for camera installation.
3. Use the security L-key to adjust MegaView™ v1x bracket to appropriate position. ( **Image 3**)



## Image 3

**CAUTION:** Only adjust the screws with an arrow pointing to them on the bracket base and camera body (**Image 4**)

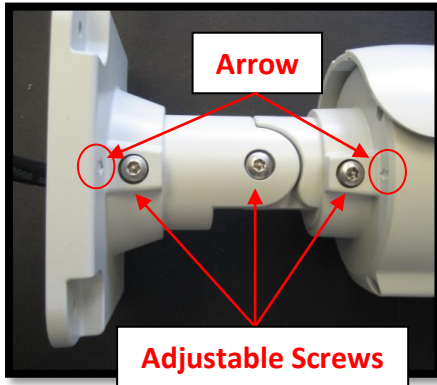


Image 4

**NOTE :** Bracket screws are all security screws that are tamper-resistant.

**NOTE :** Bracket with 3 axes enables easy installation in any location, including 360° camera body rotation, 90° tilt, 360° bracket rotation. (**image 5**)



Image 5

4. Align the holes in the camera with the prepared holes on the mounting surface. Attach the camera to the mounting surface with the wood screws or any other hardware that fits the mounting application. (**image 6**)

**NOTE:** Use junction box adapter, SV-JBA, to ensure a water tight installation as shown in Page 5. Use of silicon does not guarantee a water resistant install.



Image 6

5. Plug Ethernet cable into the MegaView™ v1x PoE Female RJ45 connector. (**Image 7**)

**NOTE:** MegaView™ v1x is a total PoE class 3 solution to power the camera, IR illuminator and fan.

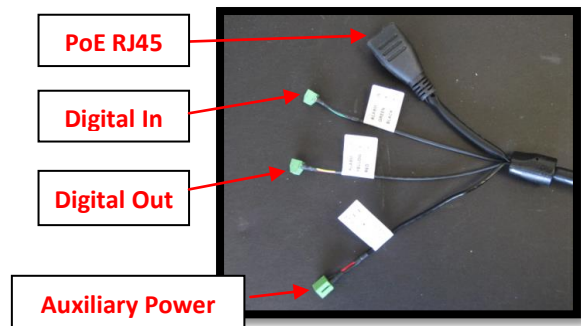


Image 7

**Optional: Connecting External Power for Camera, IR Illuminator and Fan.**

6. To use the external power, 12-48VDC or 24VAC, to power on camera, IR illuminator and fan, connect external power with pigtail cable connector (**Image 7**)

*NOTE: MegaView™ v1x cameras contain fan which is always on.*

**Optional: Connecting Digital I/O:**

7. To use digital I/O, connect digital I/O with pigtail cable connector. (**Image 7**)

*NOTE: MegaView™ v1x DN version supports both digital input and output; IR version only supports digital input.*

*NOTE: Table 1 shows electrical characteristics and Table 2 shows cable color for digital in and out.*

Electrical Characteristics:		Min	Max	Camera
Input voltage (V) (measured between + and – terminals)	ON	2.9	6.3	IR & DN Versions
	OFF	0	1.3	
Output current (mA) (measured between + and – terminals) Applied Voltage Range: 0 - 80V	ON	-	50	DN version Only
	OFF	-	0.1	

Table 1

*NOTE: Both the input and the output are electrically isolated from the rest of the camera's electrical circuitry via general-purpose photo couplers. The input is additionally protected with a serial 250 Ohm resistor, and a debouncing circuit. Duration of any input signal should be at least 5 ms to comply with the requirements of the debouncing circuit.*

Yellow	Digital OUT +
Red	Digital OUT –
Green	Digital IN +
Black	Digital IN -

Table 2

**Adjusting the Focus, Iris and Field of View:**

8. To adjust focus, iris and field of view, use security L-key to adjust external lens screws shown in **Image 8**.

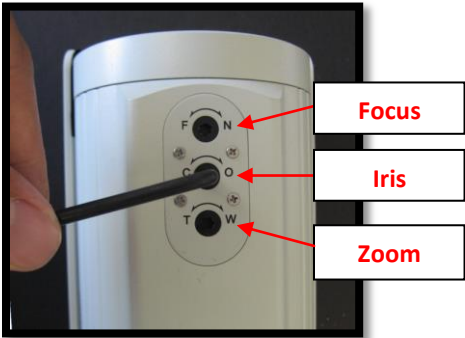


Image 8

## Replacing the IR LED board:

9. Unscrew glass ring (**Image 9**)
10. Use Phillips screwdriver to remove IR LED board (**Image 10**)
11. To replace IR LED board, unplug cable and replace new IR LED board (**Image 11**)

*NOTE: Only MegaView™ v1x IR version can accommodate a replacement IR LED board. IR LED Board cannot be added to DN version.*

*NOTE: IR LED board part number: M000094-16*



**Image 10**

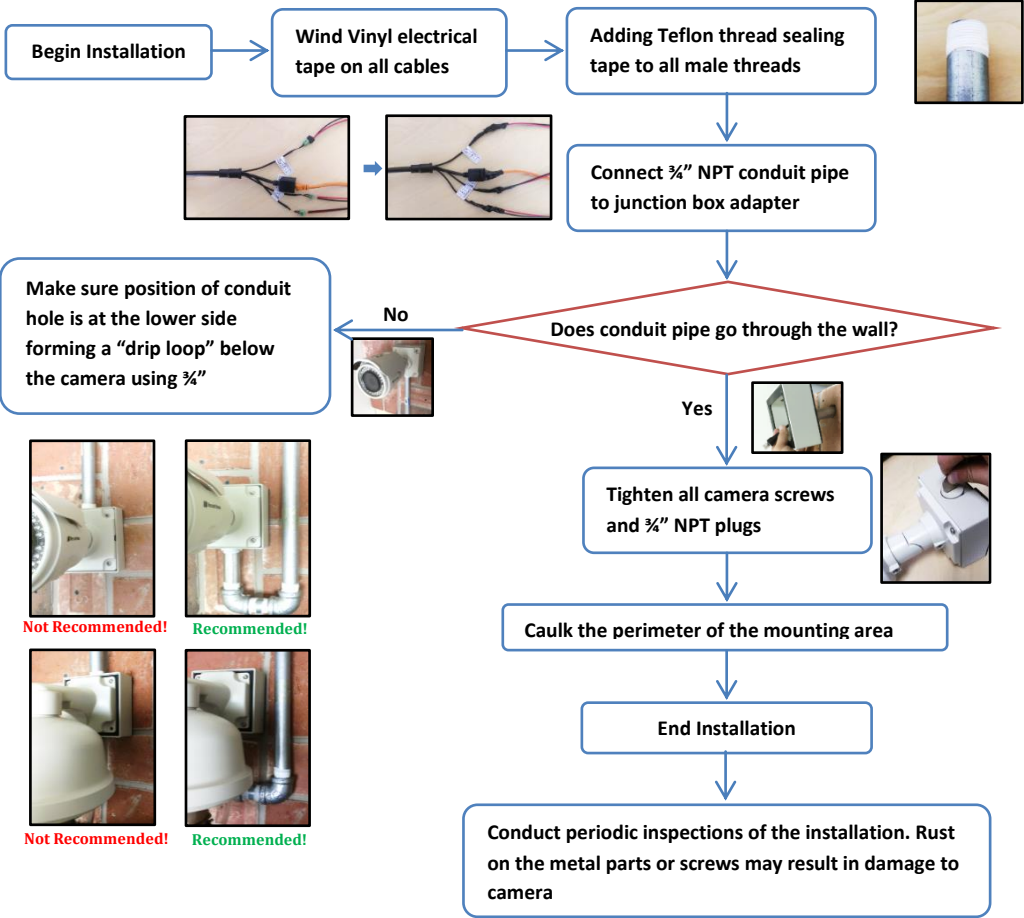


**Image 9**



**Image 11**

# Installation Best Practices

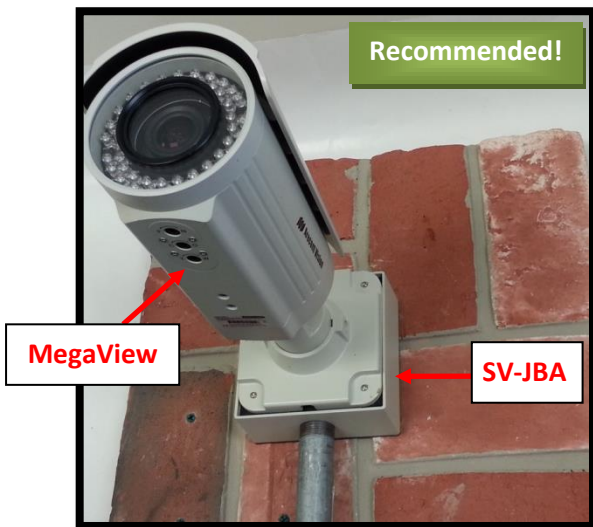


## Important Note

### Correct installation for outdoor application of MegaView™ v1x

#### Correct Installation:

Please install the MegaView™ v1x with junction box adapter (SV-JBA) to avoid risk of water leakage in outdoor applications as shown in **Image 12**.



**Image 12**

*Note: Please see how to install SV-JBA on page 6.*

#### Incorrect Installation:

Attaching the MegaView™ v1x directly onto a wall surface may result in water leakage, see **Image 13**.



**Image 13**

*NOTE: Water damage from improper installation is not covered by the warranty!*

*NOTE: Use silicon to cover RJ45 connector does not guarantee a water resistant install.*



## MegaView™ v1x Junction Box Adapter (SV-JBA) Installation Instruction

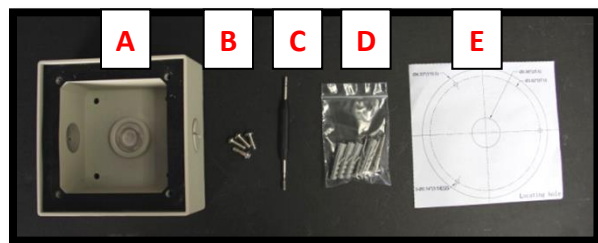
### Inside the box:

- A. Junction Box Adapter
- B. Pack of four (4) machine screws
- C. One double sided hex key
- D. Pack of four (4) wood screws and four (4) dry wall anchors
- E. Mounting Template

### Not included but needed:

- #2 Phillips head screw driver
- $\frac{3}{4}$ " NPT Conduit (if necessary)

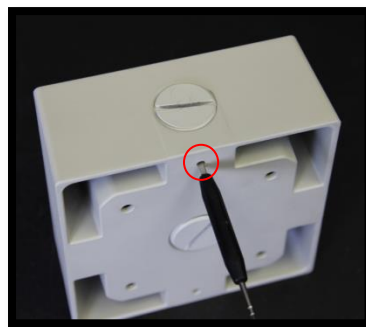
*NOTE: SV-JBA is same unit used for MegaDome® 2 wall mount and SurroundVideo® wall mount*



**Image 14**

1. Remove Junction Box and hardware from the box
2. Remove the conduit plug by first removing the socket set screw using one of provided hex keys shown in **Image 15**
3. Attach Junction Box Adapter to the wall using drywall screws or any optional

hardware suitable for the mounting surface.



**Image 15**



**Image 16**

4. Connect  $\frac{3}{4}$ " NPT Conduit to Junction Box Adapter shown in **Image 16**.
5. Run Ethernet Cable and outside power cable (if necessary) through the Junction Box Adapter and connect to Megaview™ v1x pigtail cable.
6. Attach Megaview™ v1x to Junction Box Adapter as shown in **Image 16**.



## MegaView™ v1x Electrical Box Adapter (SV-EBA) Installation Instructions

### Inside the box:

- A. Electrical Box Adapter
- B. Pack of four (4) machine screws

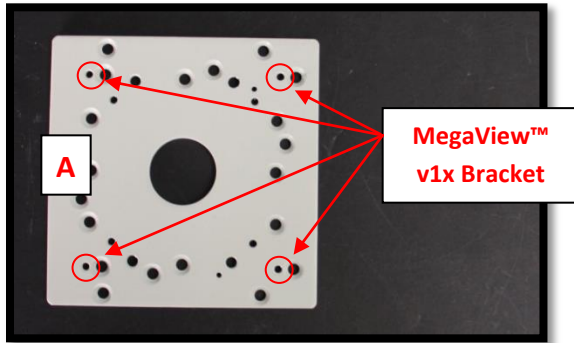


Image 17

### Not included but needed:

- #2 Phillips head screw driver
- Common Electrical Box, such as single gang box, double gang box, or square electrical boxes shown in **Image 18-1~4**.

*NOTE: SV-EBA also works with MD-WMT2, SV-WMT and D4S-WMT*

1. Remove Electrical Box Adapter and hardware from the box.
2. Attach MegaView™ v1x bracket to Electrical Box Adapter.
3. Attach Electrical Box Adapter to Electrical Box.

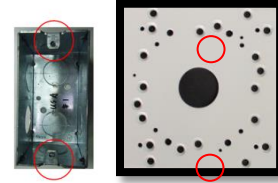


Image 18-1 Single gang box

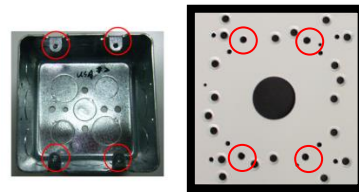


Image 18-2 Double gang box

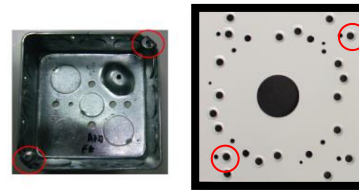


Image 18-3 Square box

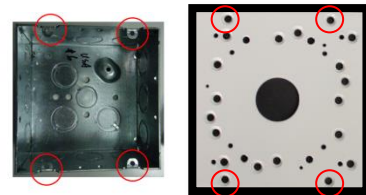


Image 16-4 Square box

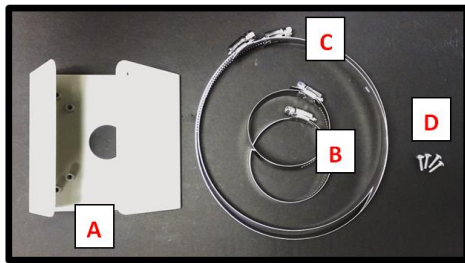
## MegaView™ v1x Pole Mount Adapter (AV-PMA) Installation Instructions

### Inside the box:

- A. Pole Mount Adapter
- B. 2x Small Steel Straps
- C. 2x Large Steel Straps
- D. Pack of four (4) machine screws (#8-32 5/8")

### Not included but needed:

- #2 Phillips head screw driver
- SV-JBA (Junction box adapter)



**Image 19**

1. Remove Pole Mount Adapter, steel Straps and hardware from the box.
2. Attach SV-JBA (Junction Box Adapter) to Pole Mount Adapter as shown in **Image 20**.
3. Remove the conduit plug on Junction box adapter and connect  $\frac{3}{4}$ " NPT Conduit to Junction Box Adapter shown in **Image 20-1**.

*NOTE: Use silicon or water pipe seal tape to make sure no water leakage between conduit pipe and junction box adapter.*

4. Run the Ethernet cable and outside power cable (if necessary) through the Junction Box Adapter and connect to MegaView™ pigtail cable.
5. Attach MegaView™ bracket to Pole Mount Adapter as shown in **Image 21**.
6. Use the supplied two steel straps to attach the Pole Mount Adapter to the pole and tighten the compression screws as shown in **Image 21**.
7. To adjust MegaView™ v1x bracket, please reference "**Mounting the Camera**", if needed.



**Image 20**



**Image 20-1**



**Image 21**

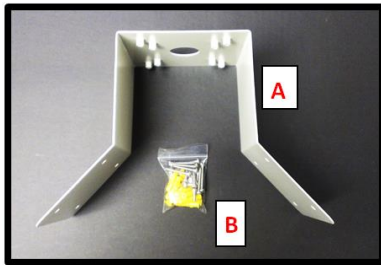
## MegaView™ v1x Corner Mount Adapter (AV-CRMA) Installation Instructions

### Inside the box:

- A. Corner Mount Adapter
- B. Pack of four (4) machine screws (#8-32 5/8"), twelve (12) screws, twelve (12) anchors, and twelve (12) washers

### Not included but needed:

- #2 Phillips head screw driver
- SV-JBA (Junction box adapter)



**Image 22**

1. Remove Corner Mount Adapter and hardware from the box.
2. Attach SV-JBA (Junction Box Adapter) to Corner Mount Adapter as shown in **Image 23**.
3. Remove the conduit plug on Junction box adapter and connect  $\frac{3}{4}$ " NPT Conduit to Junction Box Adapter shown in **Image 23-1**.

*NOTE: Use silicon or water pipe seal tape to make sure no water leakage between conduit pipe and junction box adapter.*

4. Run the Ethernet cable and outside power cable (if necessary) through the Junction Box Adapter and connect to MegaView™ pigtail cable.
5. Attach MegaView™ bracket to Corner Mount Adapter as shown in **Image 24**.
6. Using the screws provided (or other hardware) to attach the Corner Mount Adapter to an exterior 90° corner wall.
7. To adjust MegaView™ bracket, please reference "**Mounting the Camera**", if needed.



**Image 23**



**Image 23-1**



**Image 24**