



Leading  
the way in  
**Mega**pixel  
video

# MegaView™ Installation Manual



**Arecont Vision**

megapixel technology...  
beyond imagination

## MegaView™ Installation Manual

### Inside the box:

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

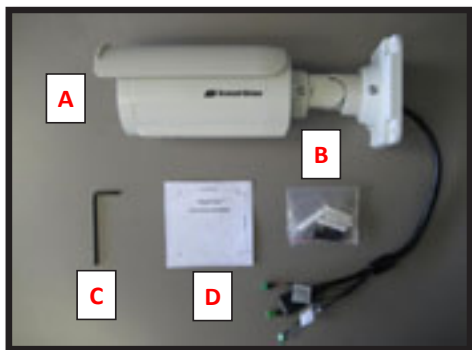


Image 1

### 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™ has two versions, DN version and IR version, shown in **image 2**, both versions embed motorized day night switcher but only IR version supports an IR LED ring.*

*NOTE : Table 1 shows current MegaView™ product configurations.*



IR version

Image 2

DN version

Model	Resolution	Description
AV1325IR	1.3MP	Day/Night with IR Illuminator
AV1325DN	1.3MP	Day/Night
AV2825IR	HD: 1080p	Day/Night with IR Illuminator
AV2825DN	HD: 1080p	Day/Night

Table 1

## Arecont Vision MegaView™ Installation Manual

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

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

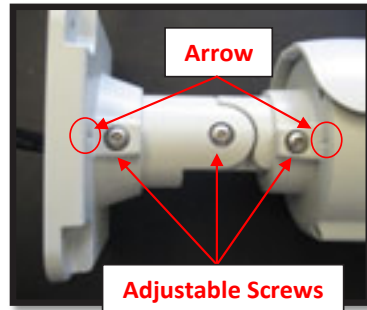
*NOTE : Bracket screws are all security screws that are tamper proof and vandal resistant.*

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

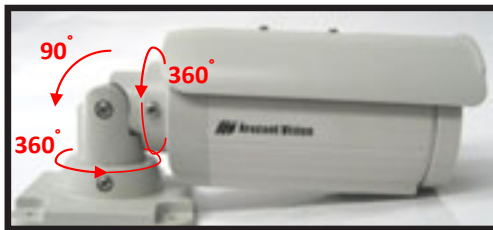
- Align the holes in the camera with the prepared holes on the mounting surface. Attach the camera to the mounting surface with the wood screws or any other hardware that fits the mounting application. (image 6)



**Image 3**



**Image 4**



**Image 5**



**Image 6**

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

*NOTE: MegaView™ cameras are all PoE only; Auxiliary power input does not support camera but IR illuminator, heater and blower.*

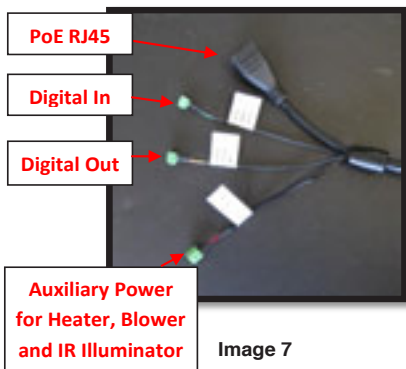


Image 7

### Connecting External Power for IR Illuminator, Heater and Blower.

- To use IR Illuminator, heater and blower, connect auxiliary power t 12~48VDC or 24VAC. (Image 7)

*NOTE: Auxiliary power is always required if you are using a heater / blower or IR LED.*

*NOTE: MegaView™ cameras contain heater / blower. Heater and blower switch on 4C° (39.2 °F), Off: 7°C (44.6 °F)*

*NOTE: Table 2 shows IR Illuminator Key Parameters.*

Key Specs	
IR Leds	48 pcs
IR Wave Length	850nm
IR Distance	25 meter
IR Angle	45°
Power	3 Watts

Table 2

### Connecting Digital I/O: (optional)

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

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

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*

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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	OUT +
Red	OUT -
Green	IN +
Black	IN -

**Table 2**

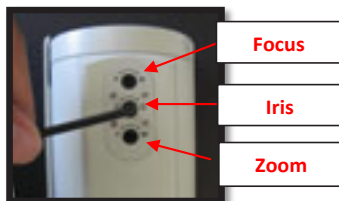
## **Adjusting the Focus, Iris and Field of View:**

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

*NOTE: The focus length range of MegaView™ is 4.5mm~10mm, FOV as following **Table 3**.*

H-FOV	4.5mm	10mm
AV1325IR/DN	48°	22°
AV2825IR/DN	73°	34°

**Table 3**



**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™ IR version can accommodate a replacement IR LED board.*



**Image 9**

**Image 10**

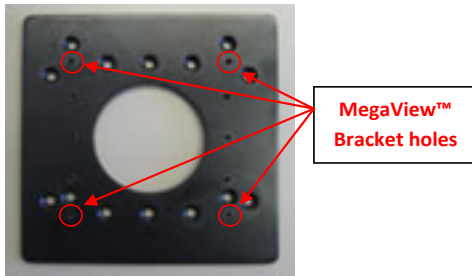


**Image 11**

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

### Inside the box:

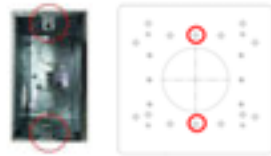
- A. Electrical Box Adapter
- B. Pack of four (4) machine screws



**Image 12**

### 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 13-1~4**.
12. Remove Electrical Box Adapter and hardware from the box.
  13. Attach MegaView™ bracket to Electrical Box Adapter.
  14. Attach Electrical Box Adapter to Electrical Box.



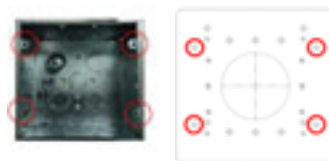
**Image 13-1 Single gang box**



**Image 13-2 Double gang box**



**Image 13-3 Square box**



**Image 13-4 Square box**

## MegaView™ Pole Mount Adapter Installation Instructions

### Inside the box:

- A. Pole Mount Adapter
- B. 2x Compress Fittings
- C. 2x Small Steel Straps
- D. 2x Large Steel Straps
- E. Pack of four (4) machine screws

### Not included but needed:

- #2 Phillips head screw driver

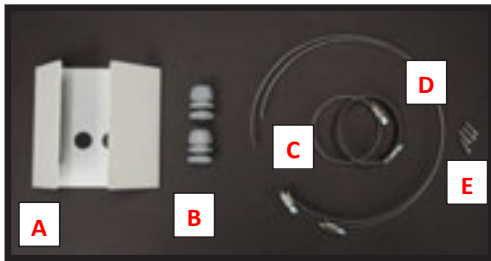


Image 14

*NOTE: MegaView™ and MegaDome™ share same pole mount adapter.*

15. Remove Pole Mount Adapter, steel Straps and hardware from the box.
16. Attach MegaView™ bracket to Pole Mount Adapter as shown in **Image 15**.

17. Use the supplied two Steel Straps to attach the Pole Mount Adapter to the pole and tighten the compression screws as shown in **Image 16**.
18. To adjust MegaView™ bracket, please reference "**Mounting the Camera**", if needed.

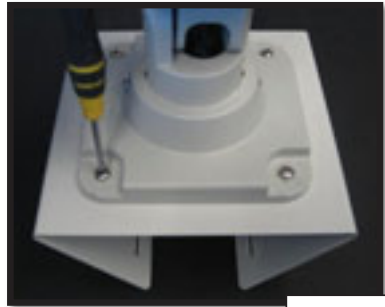


Image 15

**Compression  
Screws**



Image 16

## MegaView™ Corner Mount Adapter Installation Instructions

### Inside the box:

- A. Corner Mount Adapter
- B. 2x Compression Fittings
- C. Pack of four (4) machine screws
- D. 2x Packs of four (4) wood screws and four (4) dry wall anchors

### Not included but needed:

- #2 Phillips head screw driver

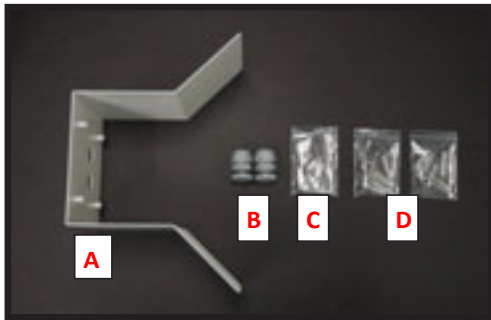


Image 17

*NOTE: MegaView™ and MegaDome™ share same corner mount adapter.*

19. Remove Corner Mount Adapter and hardware from the box.
20. Attach MegaView™ bracket to Corner Mount Adapter as shown in **Image 18**.

21. Using the screws provided (or other hardware) to attach the Corner Mount Adapter to an exterior 90° corner wall as shown in **Image 19**.
22. To adjust MegaView™ bracket, please reference "**Mounting the Camera**", if needed.

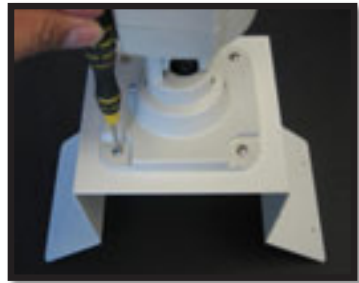


Image 18



Image 19









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