

# AA-351/AA-352 Surveillance Power/Junction Box

## Installation Guide



Rev.: 1.0

**CAUTION:**  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**UNPACKING:**  
Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears damaged in shipment, place it properly in its carton and notify the shipper.

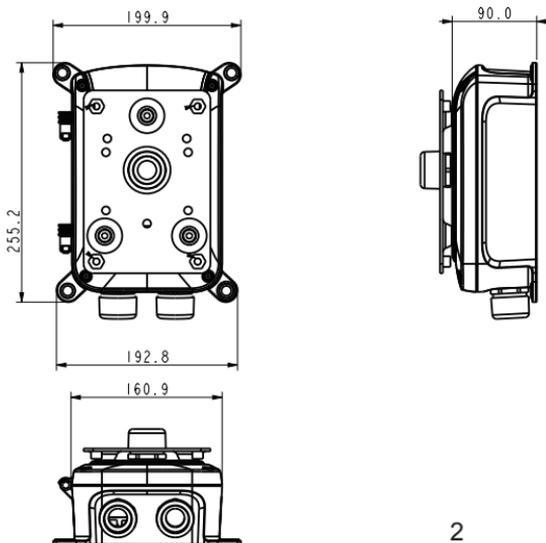
**⚠ IMPORTANT!:**

1. The electrical connections and conduit installations shall be made by a certified electrician following local regulations.
2. Risks of electric shock exist. The mains supply shall be disconnected before installation.
3. Read and follow Instructions: All operating and user instructions should be read and followed before the unit is to be operated.
4. This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that the protective device is listed rated not greater than 20A.
5. Attach the ground wire (to external ground) to a suitable grounding point, e.g., an earth stake.
6. Observe national and local regulations for the installation.
7. To avoid additional accumulation of moisture, please avoid installing the components in cabinet during a raining weather.
8. Only use applicable tools when installing this product; excessive force can damage the product.
9. Use only accessories compliant with the technical specifications of the product.
10. When the need arises for transporting this product, it is recommended to use the original shipping package.

**Revision History:**

Rev. 1.0: Initial release.

**Mechanical Dimensions:**



## I Applicable Mount & Brackets

Item	Models	Applicable Mount or Bracket
Junction box	AM-718	AM-21D, AM-21E, AM-314, AM-315, AM-414
Power box	AA-351	
Power box	AA-352	

## II Wiring

Route your power wires through a 3/4" conduit into the power box. The wiring scheme is shown below. The power supply converts 115/230V power to the AC24V output to IP cameras.



Neutral  
115V Line IN  
AC24V output

### 115V power

#### ⚠ IMPORTANT!

Do not power down and power up using the power switch within 30 seconds. The power charge does not dissipate immediately, and the fuse will be burnt.



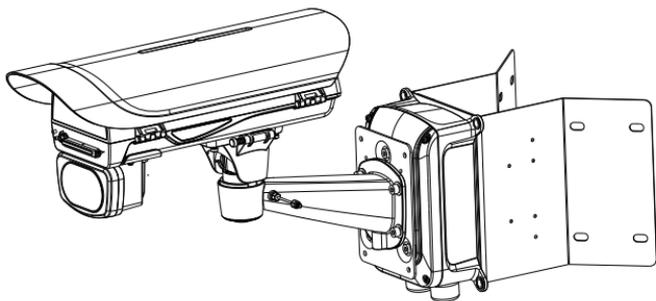
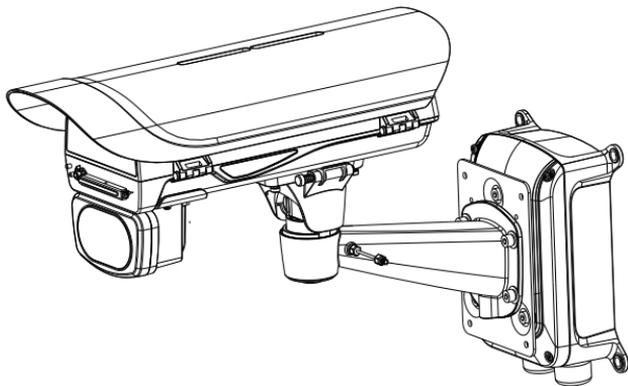
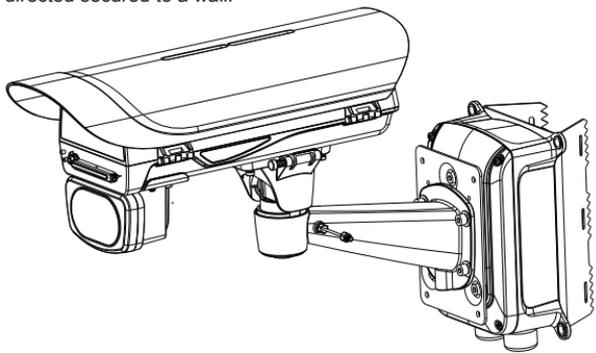
Neutral  
230V Line IN  
Ground  
AC24V output

### 230V power



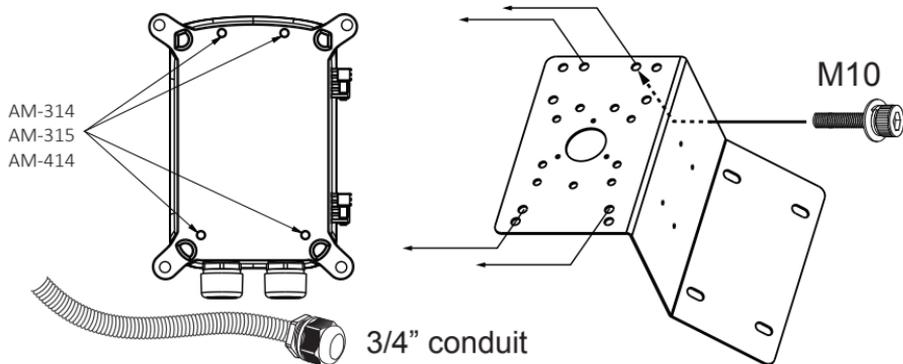
## Introduction

The power box can be mounted with the AM-314, AM315 pole-mount, AM-414 corner-mount bracket, or directed secured to a wall.

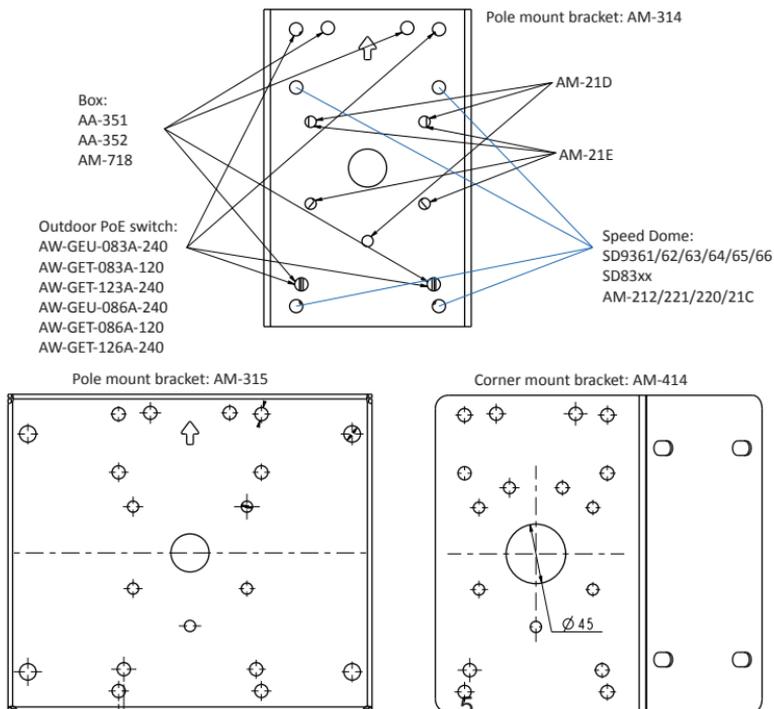


## IV Installation

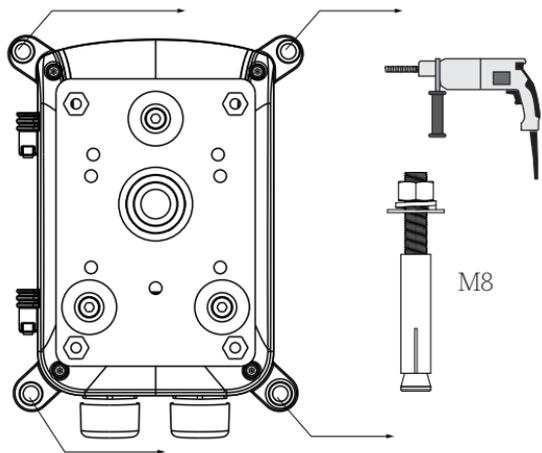
Use the included M10 hex socket screws to secure the power box to a pole-mount or corner mount bracket.



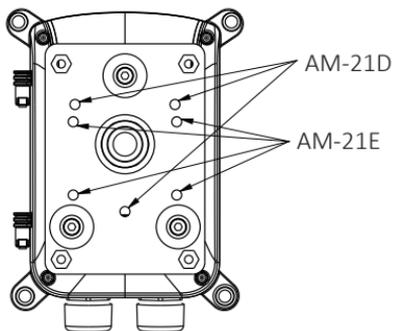
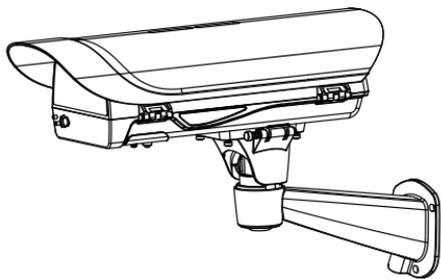
The mounting hole definition is illustrated below. The same mounting hole pattern apply to all pole-mount and corner-mount brackets.



If the power box is directly mounted to wall, drill holes in a diameter of 9.5mm or 3/8", and 4cm deep.



Use the following mounting positions for the camera housings (via AM-21D and AM-21E).



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