

Value IP Series Network Camera

SG and NV Series

Quick Installation Guide



SG Series



NV Series



Copyright © EverFocus Electronics Corp.

Release Date: May, 2022

All the images including product pictures or screen shots in this document are for example only. The images may vary depending on the product and software version. Information contained in this document is subject to change without notice.

EverFocus Taiwan:

2F., No.12, Ln. 270, Sec. 3, Beishen Rd., Shenkeng Dist., New Taipei City 222, Taiwan

TEL: +886 2 2662 2338 FAX: +886 2 2662 3632 www.everfocus.com.tw

1. Full Model List

Series	Photo	Model Name
SG		EZN1250-SG / EZN1550-SG / EZN2250-SG / EZN2550-SG / EZN2850-SG
		EHN1250-SG / EHN1550-SG / EHN2250-SG / EHN2550-SG / EHN2850-SG
		EMN2560-SG
		EZN1240-SG / EZN1540-SG / EZN2240-SG / EZN2540-SG / EZN2840-SG
		EBN1240-SG / EBN1540-SG / EBN2240-SG / EBN2540-SG / EBN2840-SG
NV		EZN3540-NV / EZN3840-NV
		EBN3540-NV / EBN3840-NV
		EZN3550-NV / EZN3850-NV

2. Physical Description

SG - EZN Series



SG - EHN Series

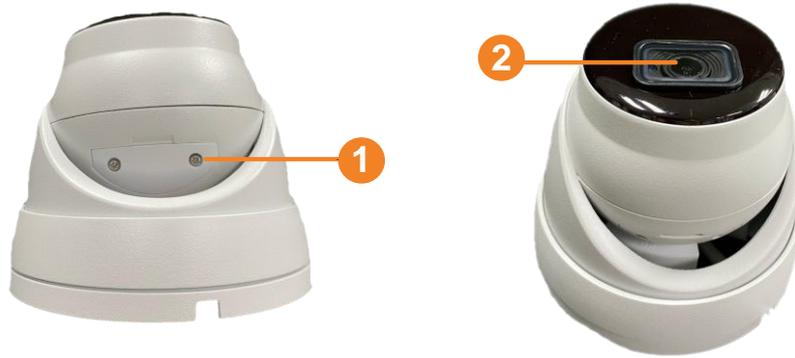


SG - EMN Series



No.	Item Name	Descriptions
1	Reset Button / Micro SD Card Slot / CVBS Lan / Zoom in & out	Use the supplied Hexagon Wrench to loosen the screws to access the Reset Button, Micro SD slot, CVBS Lan (this function is currently reserved), and Zoom In & Out.
2	Sunshield	Protect the camera from the direct sun rays.
3	Tilt Screw	Use the supplied Hexagon Wrench to loosen the Tilt Screw.
4	Pan Screw	Use the supplied Hexagon Wrench to loosen the Pan Screw.
5	Light Sensor	Detects lights.
6	Lens	Camera lens.
7	Reset Button / Micro SD Card Slot / CVBS Lan / Zoom in & out	To access the Reset Button, Micro SD slot, CVBS Lan (this function is currently reserved), and Zoom In & Out.
8	IR LED	IR LED.

SG mini - EBN Series



SG mini - EZN Series



No.	Item Name	Descriptions
1	Reset Button / Micro SD Card Slot	Loosen the screws to access the Reset Button and Micro SD slot.
2	Lens	Camera Lens
3	Sunshield	Protect the camera from the direct sun rays.
4	Tilt Screw	Use the supplied Hexagon Wrench to loosen the Tilt Screws.
5	Pan Screw	Use the supplied Hexagon Wrench to loosen the Pan Screws.

NV - EBN Series

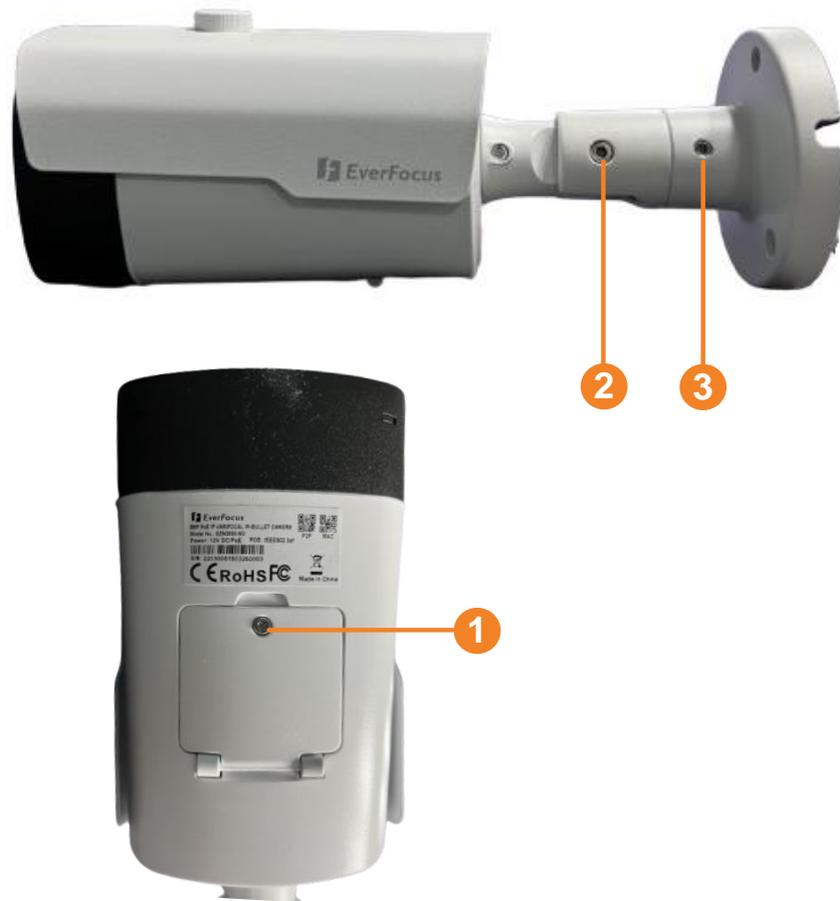


NV mini - EZN Series



No.	Item Name	Descriptions
1	Reset Button / Micro SD Card Slot	Loosen the screws to access the Reset Button and Micro SD slot.
2	Lens	Camera Lens
3	Warm Supplemental Light	Warm lights to enhance visibility.
4	Tilt Screw	Use the supplied Hexagon Wrench to loosen the Tilt Screws.
5	Pan Screw	Use the supplied Hexagon Wrench to loosen the Pan Screws.

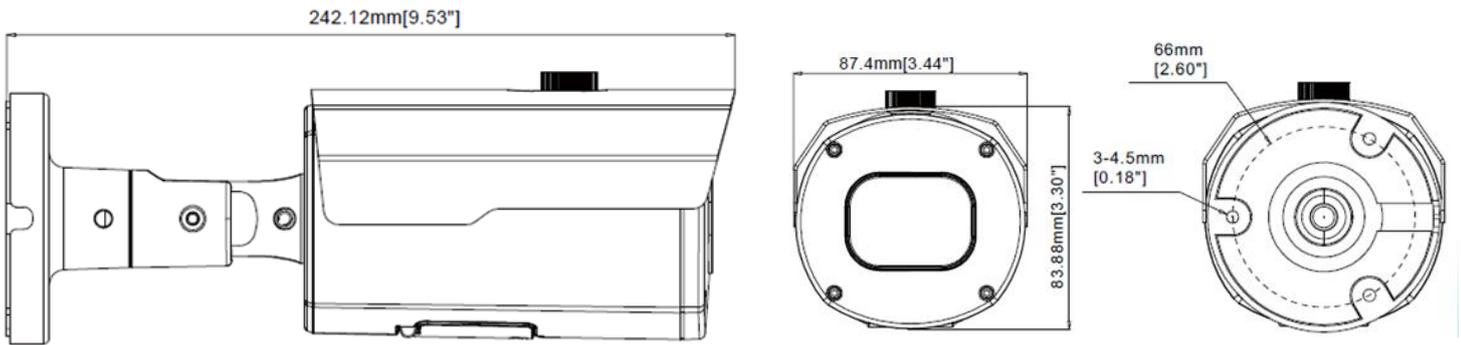
NV - EZN Series



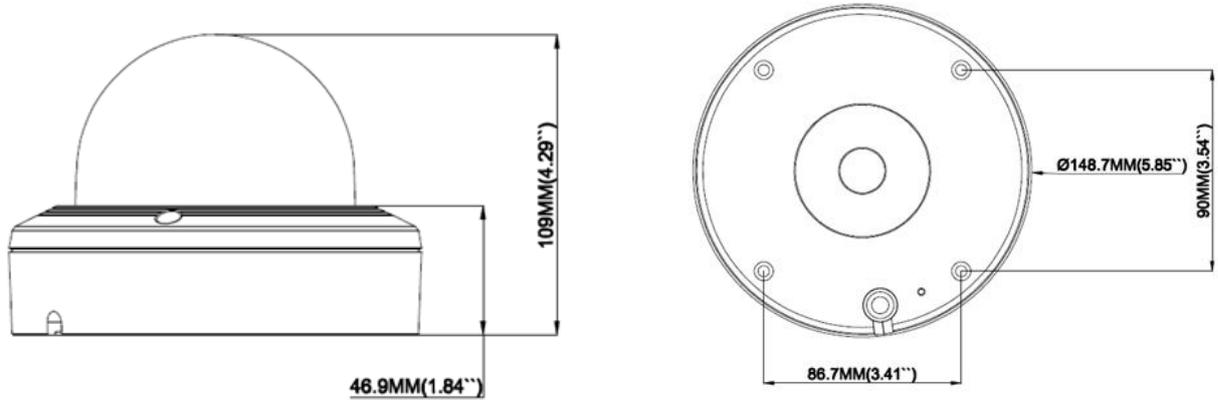
No.	Item Name	Descriptions
1	Reset Button / Micro SD Card Slot	Loosen the screws to access the Reset Button and Micro SD slot.
2	Tilt Screw	Use the supplied Hexagon Wrench to loosen the Tilt Screws.
3	Pan Screw	Use the supplied Hexagon Wrench to loosen the Pan Screws.

3. Dimensions

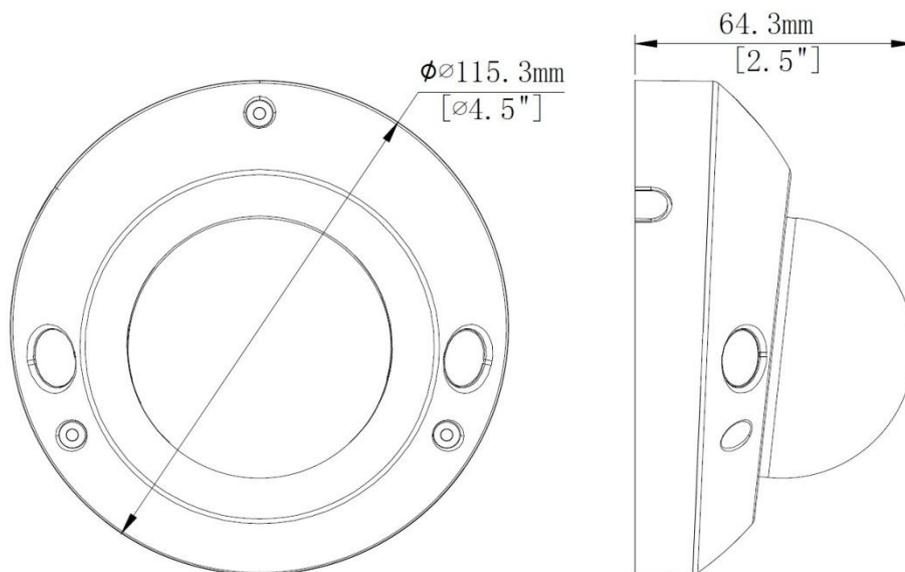
SG - EZN Series



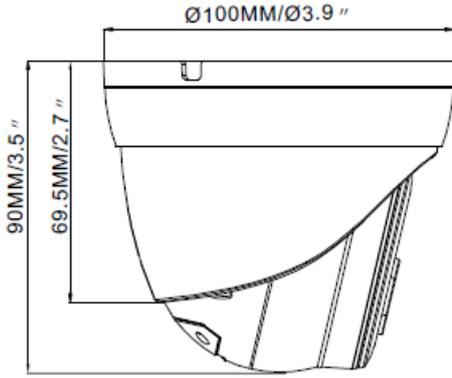
SG - EHN Series



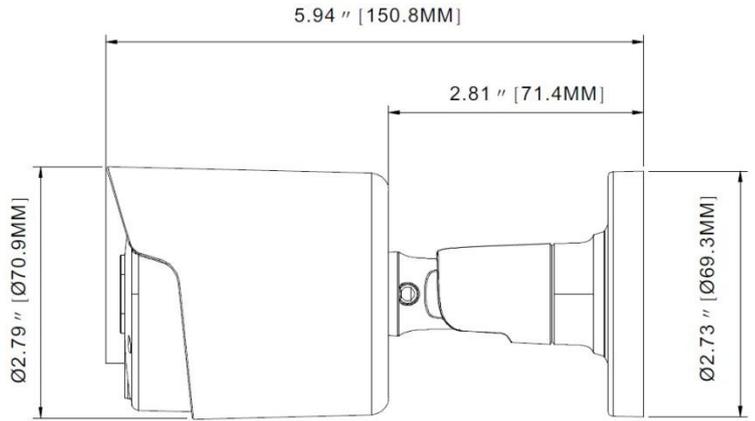
SG mini - EMN Series



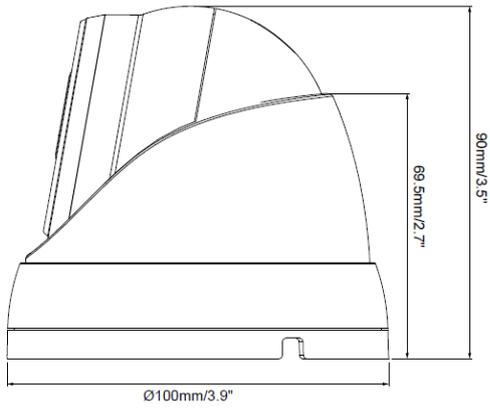
SG mini - EBN Series



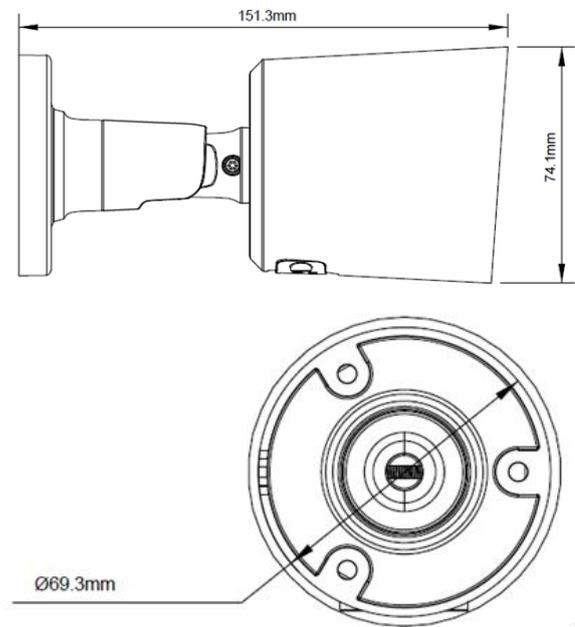
SG mini - EZN Series



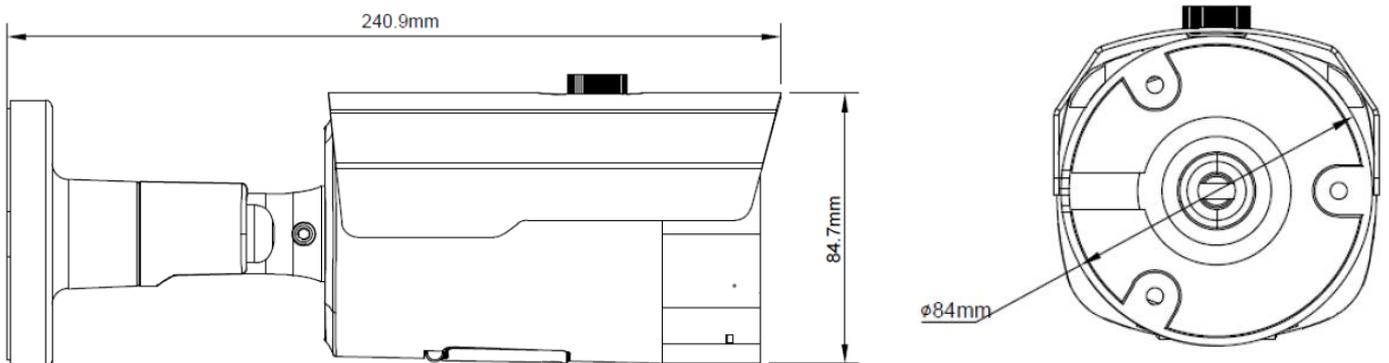
NV - EBN Series



NV mini - EZN Series



NV - EZN Series



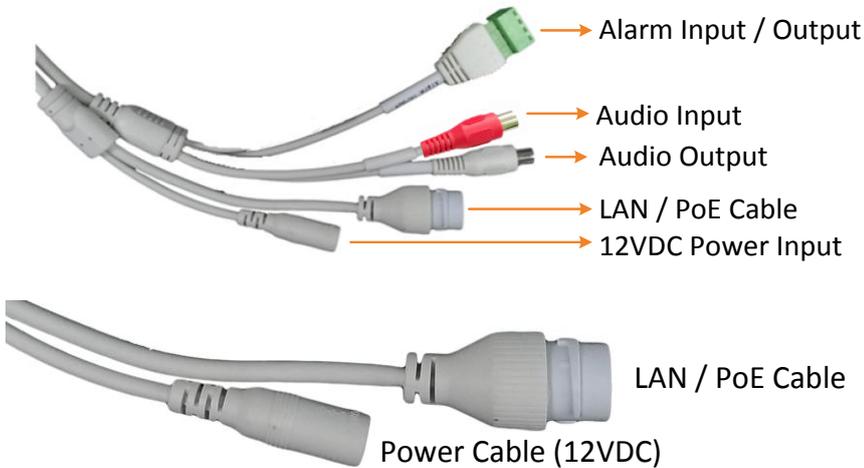
4. Packing List

Please check if all the items listed below are within the package.

SG - EZN Series	SG - EHN Series
<ol style="list-style-type: none">1. Camera x 12. Cable Gland Kit x 13. Screw x 34. Screw Anchor x 35. Hexagon Wrench x 26. Quick Installation Guide x 17. Installation Sticker x 1	<ol style="list-style-type: none">1. Camera x 12. Cable Gland Kit x 13. Screw x 44. Screw Anchor x 45. Torx Wrench x 16. Quick Installation Guide x 17. Installation Sticker x 1
SG - EMN Series	
<ol style="list-style-type: none">1. Camera x 12. Quick Installation Guide x 13. Screw & Screw Anchor x 34. Network Cable Accessory5. Quick Installation Guide x 1	
SG mini - EBN Series	SG mini - EZN Series
<ol style="list-style-type: none">1. Camera x 12. MAC Address Sticker x 23. Cable Gland Kit x 14. Screw & Screw Anchor x 35. Quick Installation Guide x 16. Mounting Sticker x 1	<ol style="list-style-type: none">1. Camera x 12. MAC Address Sticker x 23. Cable Gland Kit x 14. Screw & Screw Anchor x 35. Hexagon Wrench x 26. Quick Installation Guide x 17. Installation Sticker x 1
NV - EBN Series	NV - EZN Series
<ol style="list-style-type: none">1. Camera x 12. MAC Address Sticker x 13. Cable Gland Kit x 14. Screw & Screw Anchor x 35. Quick Installation Guide x 16. Mounting Sticker x 1	<ol style="list-style-type: none">1. Camera x 12. MAC Address Sticker x 13. Cable Gland Kit x 14. Screw & Screw Anchor x 35. Hexagon Wrench x 26. Quick Installation Guide x 17. Installation Sticker x 1

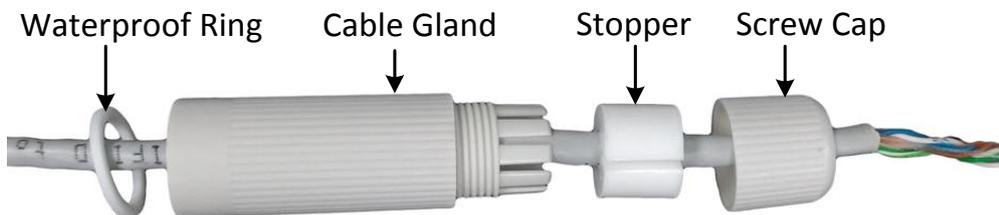
5. Cables

The cables provide connections for network, power, audio input / output, and alarm input / output.

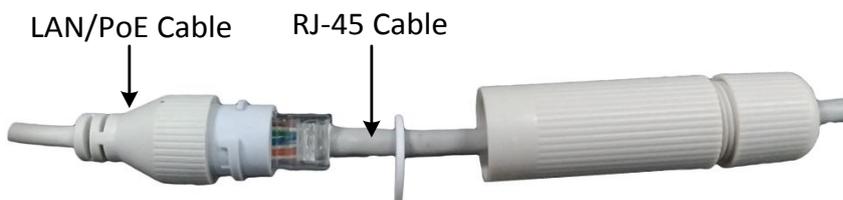


Connect the camera to the network using the supplied **Cable Gland Kit**.

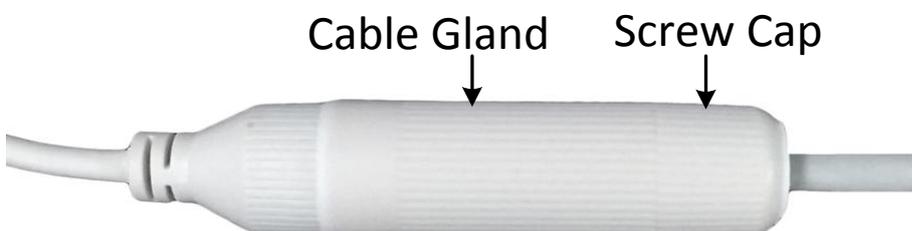
- Insert a RJ-45 network cable (without the RJ-45 connector on the one end) through the supplied **Waterproof Ring, Cable Gland, Stopper** and **Screw Cap** accordingly.



- Connect the RJ-45 cable to the **LAN/PoE Cable** of the camera.



- Tightly screw the **Cable Gland** and **Screw Cap** to the Rugged RJ-45 Connector Cable.



d. Crimp the RJ-45 connector onto the RJ-45 network cable. Note that the wires should be placed into the RJ-45 connector based on the following order (from left to right).

- Orange with white stripe
- Orange
- Green with white stripe
- Blue
- Blue with white stripe
- Green
- Brown with white stripe
- Brown



Alarm IO PIN Assignment



- 1 Alarm In
- 2 GND
- 3 COM
- 4 Alarm Out

Reset Button

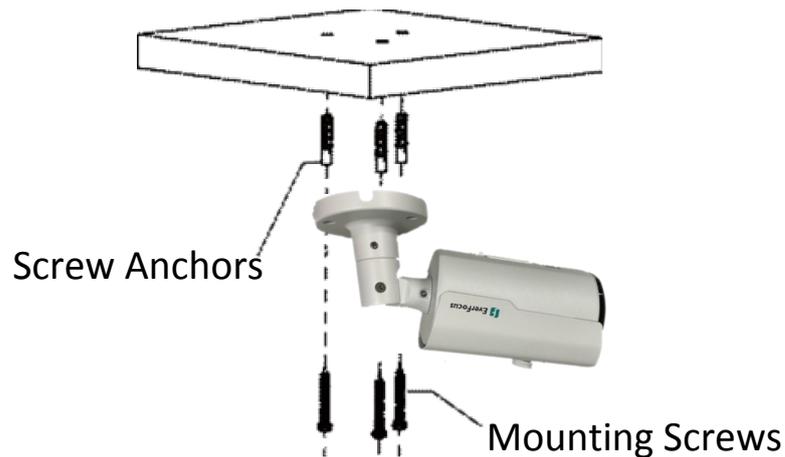
The **Reset Button** can be used to restore the camera to factory default. When the camera is powered up, press the **Reset Button** about 10 seconds to reboot the camera.



6. Installation

6.1 EZN models

1. Drill three holes on the surface according to the screw positions on the Camera Base. Push the supplied 3 **Screw Anchors** into the holes. Drill another hole in the middle within the 3 screw holes if you wish to run the wires into the surface. Screw the camera to surface using the supplied 3 **Screws**.



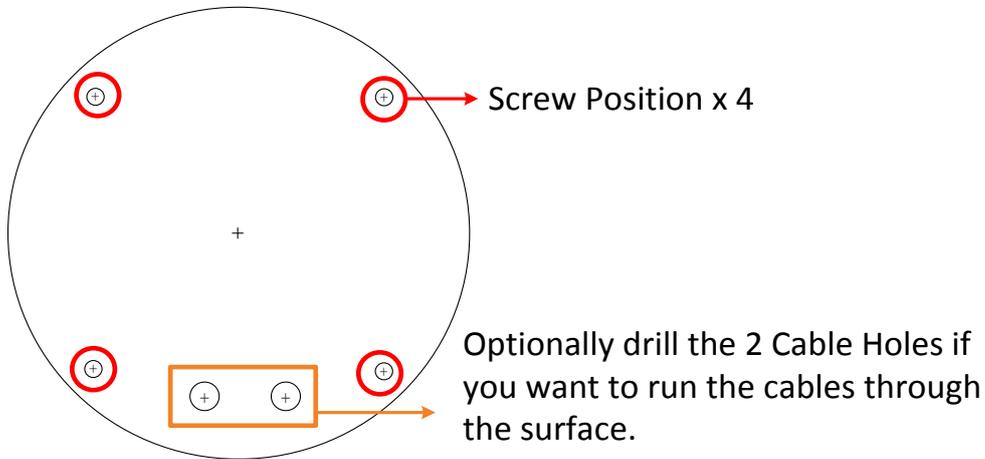
2. Adjust the pan/tilt/rotate angles of the camera by loosen the Pan/Tilt screws using the supplied **Hexagon Wrench**.



3. Connect the camera to power. You can either connect the camera to a 12VDC power source or to a PoE switch using the PoE cable.
4. Connect the camera to the network using the supplied **Cable Gland Kit**. See 5. *Cables*.
5. Insert a Micro SD card into the card slot (optional).
6. Now you can access the camera live view. See 7. *Accessing the Camera*.

6.2 EHN models

1. Stick the supplied **Mounting Sticker** on the surface to mark the 4 screw positions. Drill the 4 screw-depth holes on the surface and then push the supplied 4 **Screw Anchors** into the screw holes. Optionally drill the bottom 2 Cable Holes if you want to run the cables through the surface.



2. Remove the camera cover by unscrewing the 3 cover screws using the supplied Torx Wrench (Left Image). Screw the camera base to the surface using the supplied 4 Screws (Right Image).



3. Optionally insert a micro SD card into the card slot (please refer to 2. *Physical Description*).
4. Adjust the pan / tilt / rotate angles of the camera.
5. Connect the camera to power. You can either connect the camera to a 12VDC power source or to a PoE switch using the PoE cable.
6. Connect the camera to the network using the supplied **Cable Gland Kit**. See 5. *Cables*.
7. Now you can access the camera live view. See 7. *Accessing the Camera*.

6.3 EMN models

1. Remove the camera cover by unscrewing the 3 cover screws.



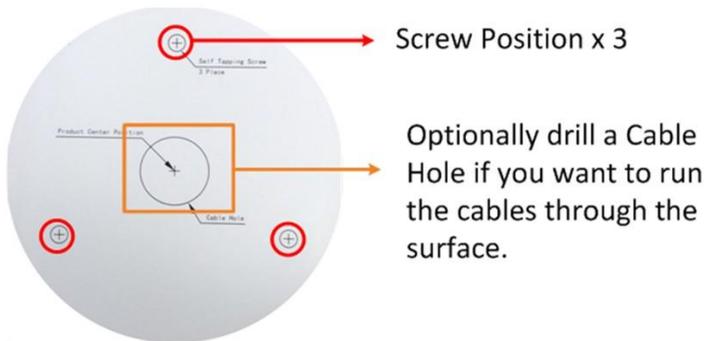
2. Insert a Micro SD card into the card slot (optional).



3. Install the network cable.



- Stick the supplied Mounting Sticker on the surface to mark the 3 screw positions. Drill the 3 screw-depth holes on the surface and then push the supplied 3 Screw Anchors into the screw holes.



- Screw the camera on the surface.



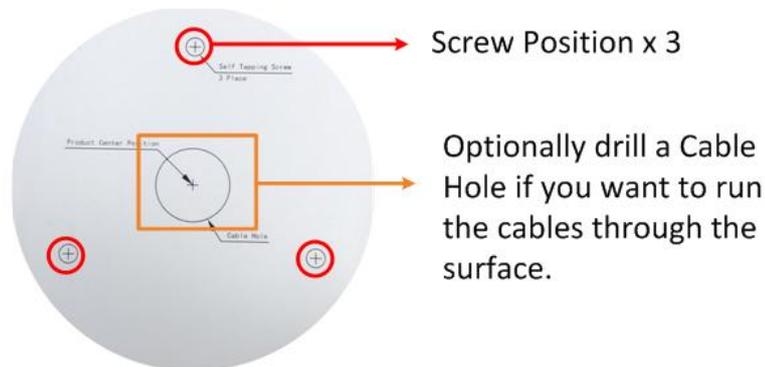
- Adjust the camera angle.
- Assemble the cover back to the camera.



- Now you can access the camera live view. See [7. Accessing the Camera](#).

6.4 EBN models

1. Stick the Mounting Sticker on the surface to mark the 3 screw positions. Drill 3 screw-depth holes on the surface and then push the supplied 3 Screw Anchors into the holes. Optionally drill a Cable Hole on the center if you want to run the cables through the surface.



2. Twist the Outer Housing counterclockwise and then remove the Outer Housing.



3. Before screwing the Camera Base to the surface, thread the cables either from the side-cut of the Camera Base or through the surface.

4. Screw the Camera Base to the surface using the supplied 3 Screws.



Place the camera body back to the Camera Base and twist back the Outer Housing. Do not twist the Outer Housing too tight as you will have to adjust camera angles while viewing camera live view.

5. Connect the camera to the network. See 5. *Cables*.
6. Connect the camera to power. You can either connect the camera to a 12VDC power source or to a PoE switch using the PoE cable.
7. Adjust camera angles and then tightly twist back the Outer Housing.
8. Access the camera live view. See 7. *Accessing the Camera*.

7. Accessing the Camera

You can look up the IP address of the IP camera using the **IP Utility (IPU)** program from [EverFocus website](#) (key word search: "IP Utility").

The default network is DHCP. However, if there is no dynamic IP address assigned to the device, its IP will switch to 192.168.0.10. By default, the ID is **admin** and there is no password. Please input a password for the first-time login.