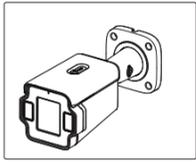


Installation Guide

License Plate Recognition Bullet Network Camera

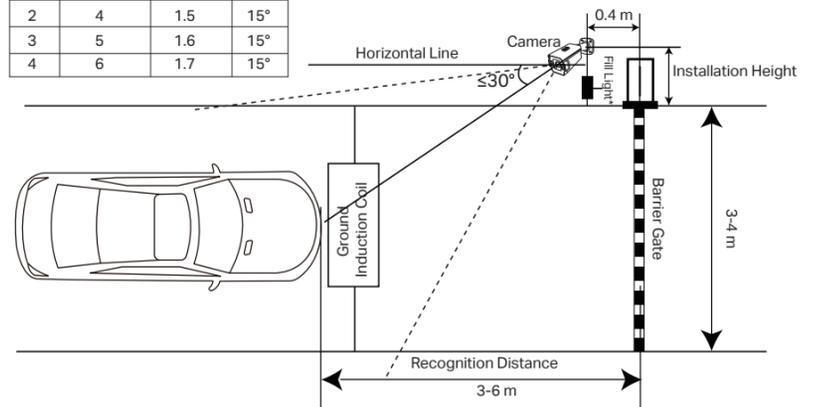
*Images may differ from actual products.
InSight LPR345Z is used for demonstration in this guide.
©2025 TP-Link 710002255 REV1.0.0



Mounting Site and Height Recommendations

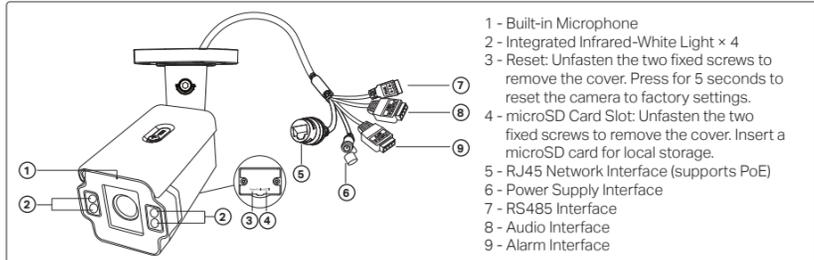
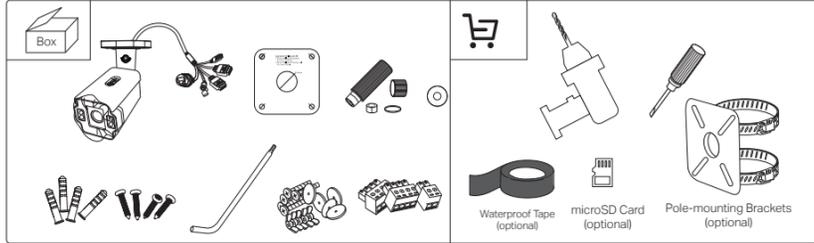
When installing the camera, consider the recognition distance, installation height, and lens angle. Refer to the chart for recommended setups, with Option 2 being the most preferred.

Option	Recognition Distance (m)	Installation Height (m)	Lens Angle
1	3	1.4	15°
2	4	1.5	15°
3	5	1.6	15°
4	6	1.7	15°



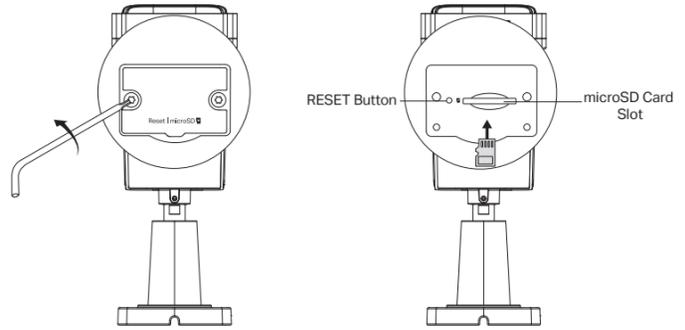
* The camera does not provide a fill light interface. Refer to **Install Fill Light** to choose and install the fill light.

1. Get Ready



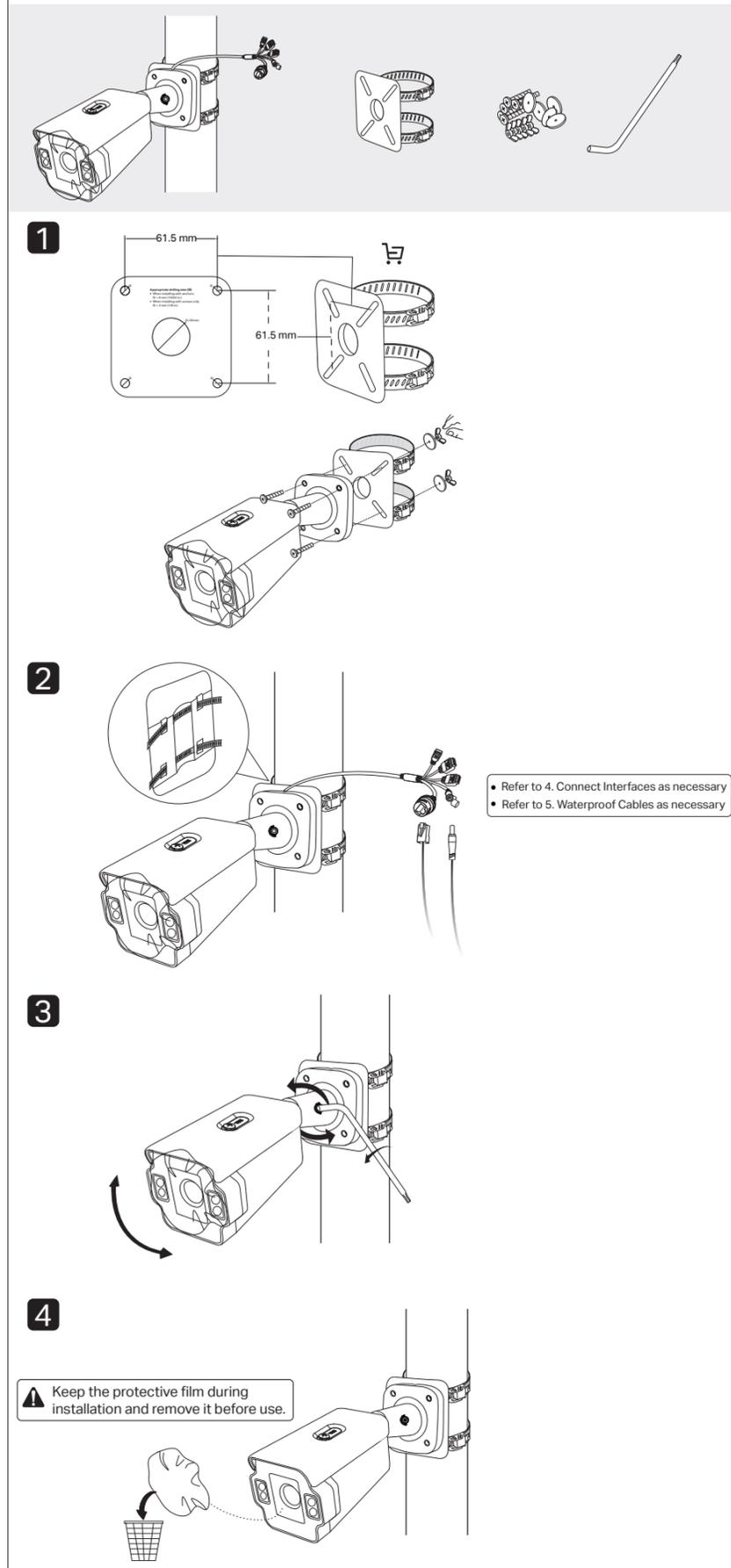
2. Install microSD Card (Optional)

Insert a microSD card for local storage. Initialize the SD card via VIGI app or other management tools before recording videos.

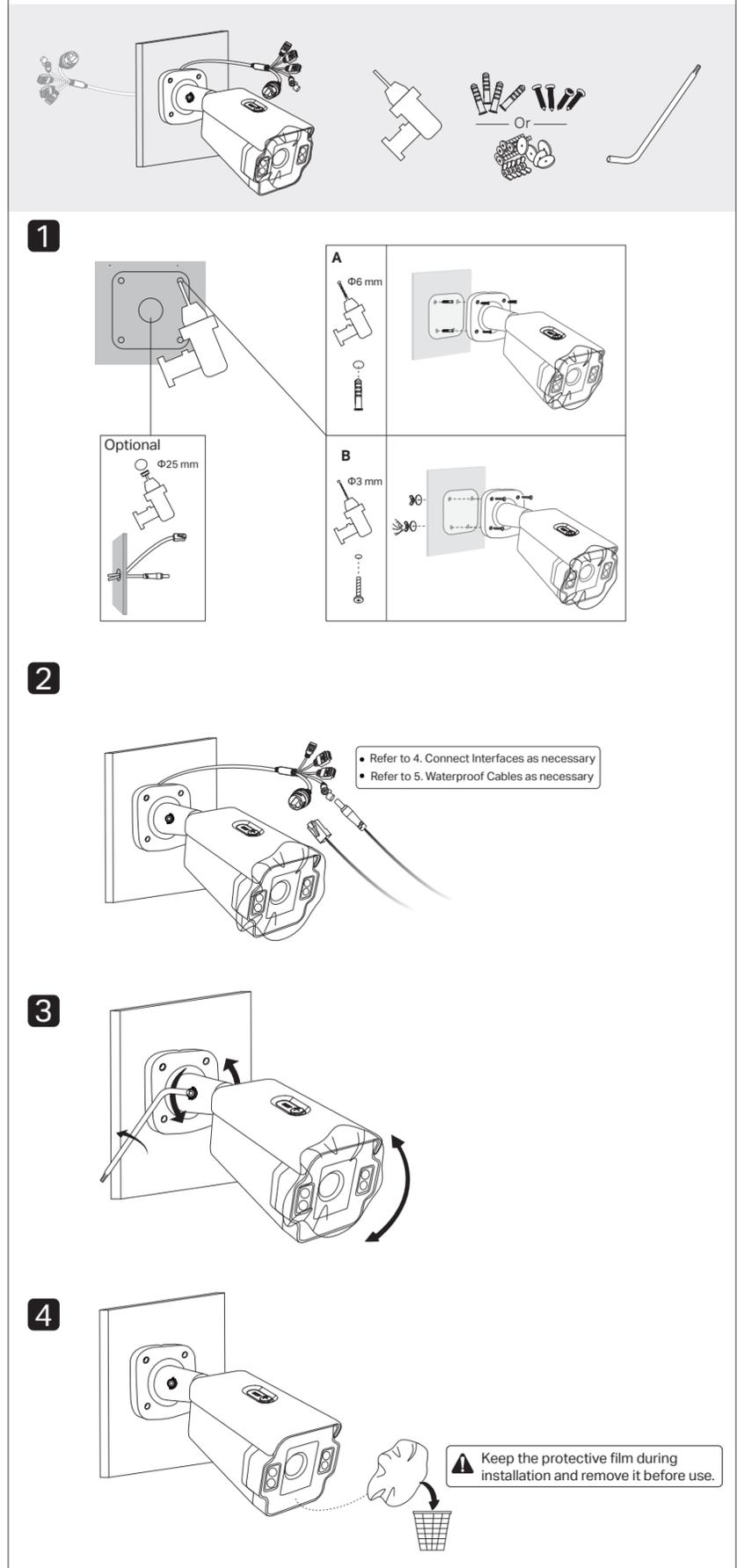


3. Mount Camera

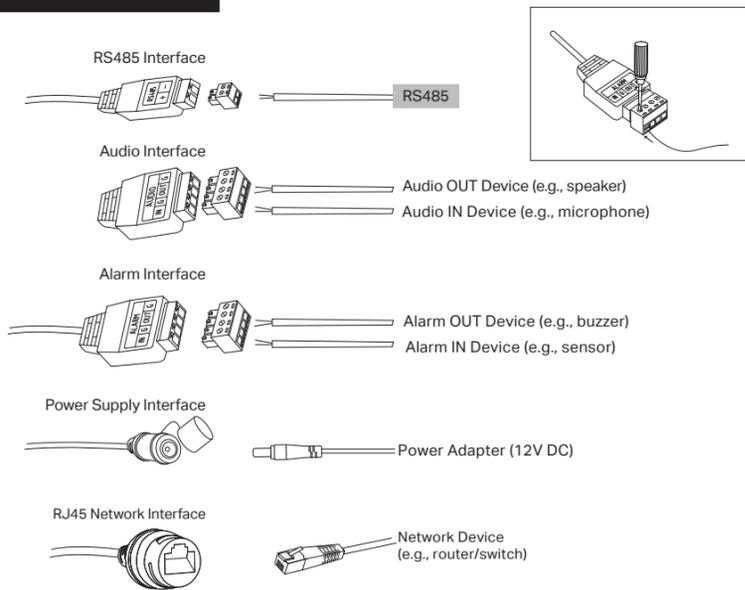
Option 1: Pole Mounting



Option 2: Wall Mounting



4. Connect Interfaces



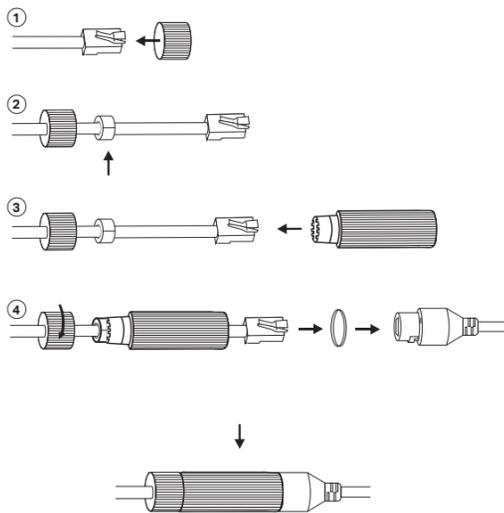
Interface	Description
Power Supply Interface	Connect to an external DC power adapter (not provided).
RJ45 Network Interface	10/100Mbps RJ45 Ethernet port, supports PoE.
Audio Interface	OUT G: Used to connect audio output devices (e.g., headphones and speakers).
	IN G: Used to connect audio input devices (e.g., microphones).
Alarm Interface	OUT G: Used to connect alarm output devices (e.g., barrier gate and buzzer).
	IN G: Used to connect alarm input devices (e.g., grounding induction coil and sensor).
RS485 Interface	Used to connect a device that supports RS485.

For more detailed instructions, refer to the <https://www.tp-link.com/support/faq/4726/> or scan the QR code.



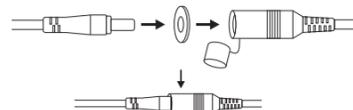
5. Waterproof Cables (Optional)

For Ethernet Cable

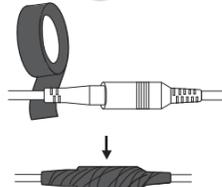


For Power Cord

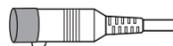
Powered by the adapter



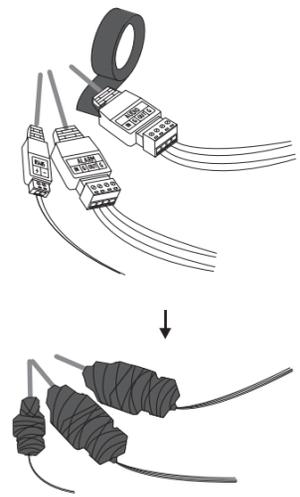
OR



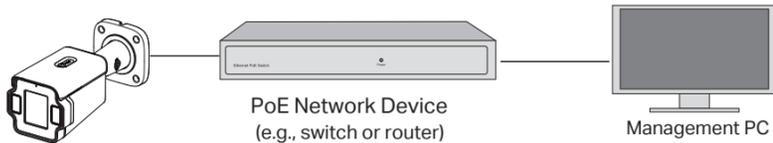
Powered by PoE



For Other Interfaces



6. Activate and Access Camera



Step 1. Connect the hardware

Connect your camera to the network.

Step 2. Power on the camera

Power on the camera with the PoE power supply or an external power adapter (not provided).

Step 3. Set up the camera

Find the camera's IP address on your router's client page. On your local computer, open a web browser and enter <https://> then your camera's IP address (<https://192.168.0.60> by default) and follow the web instructions to complete setup.

Step 4. Adjust the imaging

Refer to <https://www.tp-link.com/support/faq/4723/> or scan the QR code to adjust the imaging for best performance.



For more management methods and more detailed instructions, refer to the product's user guide.

Install Fill Light

It is recommended that all license plate recognition sites be equipped with external fill lights.

Hardware requirements: Fill-light power 15W–30W recommended.

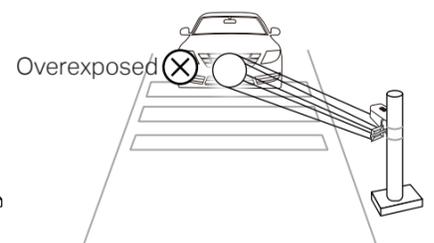
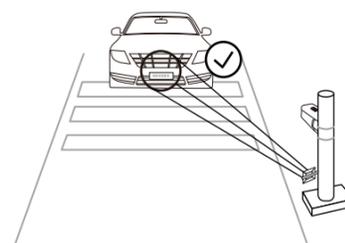
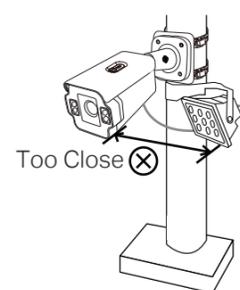
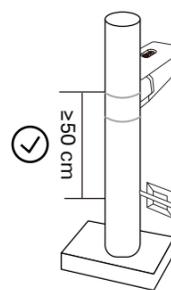
Installation requirements:

- Install the fill light directly below the camera, keeping a distance of more than 50 cm from the camera.
- Adjust the fill light angle to 15°–45° from the ground.



Scan for More Details

Note: Within the recognition area, the external fill light illuminates the license plate, and the license plate is not overexposed.



Appendix: Usage Tips

- Make sure your power supply matches your camera. The power source should comply with Power Source Class 2 (PS2) or Limited Power Source (LPS) of IEC 62368-1.
- Make sure that the wall is strong enough to withstand 4 times the weight of the camera and mounting bracket.
- If you are uncertain or uncomfortable performing the installation, consult a qualified electrician. It is recommended to install it in a place that children cannot touch.
- Make sure that the vehicle is straightened when entering the recognition area and the license plate is facing the camera.
- Avoid pointing the camera directly at the sun or any strong light source.
- Avoid large areas of strong reflective objects in the near monitoring screen, such as metal, glass, white walls, water surface, etc. Otherwise, due to strong light, ambient light or reflection of indicator lights, the image quality may be poor.
- To ensure the best image quality, the lighting conditions and ambient brightness of the camera and the target object should be as consistent as possible.
- To ensure that the license plate is recognized quickly and correctly, keep the license plate as horizontal as possible.

Safety Information

- Do not use any other power adapters than those recommended.
- Do not use damaged power adapter or USB cable to charge the device.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- For applicable power supplies see user instructions. Refer to the User Manual on the product support page.

EU Declaration of Conformity

TP-Link hereby declares that the Camera is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU Declaration of Conformity may be found at <https://www.tp-link.com/en/support/ce/>

UK Declaration of Conformity

TP-Link hereby declares that the Camera is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016.

The original UK Declaration of Conformity may be found at <https://www.tp-link.com/support/ukca/>



For technical support, replacement services, user guides, and more information, please visit <https://support.vigi.com/>.

