

# Reolink Professional Series

## RP-PCB8M

4K Smart PoE Camera with Color Night Vision



**4K**

4K Resolution



Color  
Night Vision



125° Ultra-Wide  
Diagonal Field of View



Smart Event  
Detection



Perimeter  
Protection



Multiple Recording  
Options



Person & Object  
Detection



IP67  
Weatherproof



Infrared  
Night Vision



Active  
Deterrence



Two-Way  
Audio



Metal  
Housing



Works with  
Google Assistant



Time-Lapse  
Recording



Multi-Platform  
Remote Access



**H.265**  
H.265/H.264 Dual  
Codec Support

# Reolink Feature Descriptions

## Smart Detection

The Smart Detection system accurately identifies a wide range of targets, including people, vehicles, animals,. It can also recognize abnormal events such as Object Removal and Forgotten Object, enhancing situational awareness and security response.

## Perimeter Protection

Reolink's Perimeter Protection provides a powerful layer of security by monitoring defined areas with precision. It features Line Crossing Alerts to detect movement across virtual boundaries, Zone Intrusion Alerts for unauthorized entry into preset zones, and Zone Loitering Alerts to flag prolonged presence in sensitive areas. These smart functions enable proactive threat detection and faster response.

## 512GB microSD Card Storage

Supports up to 512GB microSD card, allowing for extended local storage of high-resolution footage without relying on external devices. This ample capacity allows for longer recording durations and easy playback access, providing reliable video retention for enhanced security.

## Multiple Light Modes

Equipped with both infrared LEDs and spotlights, the camera offers flexible lighting options. It automatically switches to infrared mode at night for clear black-and-white images in low-light environments. When spotlight is enabled, it delivers full-color night vision. Choose from three spotlight modes—Always On, Alarm-Triggered, and Manually Off—to suit different security needs and provide effective visual deterrence.

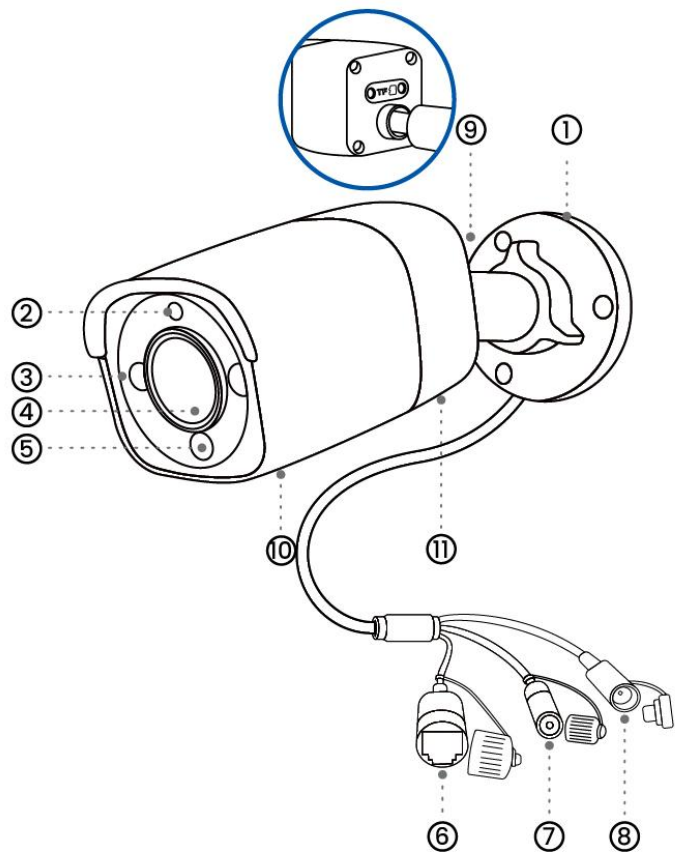
## Rugged & Weatherproof Design

Built for the outdoors, the camera features an IP67-rated enclosure for full protection against dust and water. It operates reliably in extreme temperatures from -30°C to +55°C (-22°F to 131°F), making it ideal for harsh environments. The sturdy metal housing enhances durability and impact resistance, ensuring long-term stability and dependable performance in all weather conditions.

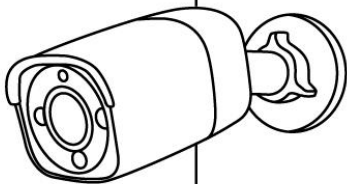
# Reolink Specification

| Video & Audio                |                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                 | 1/2.7" CMOS Sensor                                                                                                                                                                                       |
| Resolution                   | 3840x2160 (8 Megapixels) @25fps                                                                                                                                                                          |
| Lens                         | f=2.8mm fixed, F=1.6                                                                                                                                                                                     |
| Zoom                         | NA                                                                                                                                                                                                       |
| Video Compression            | H.265/H.264                                                                                                                                                                                              |
| Frame Rate                   | Main Stream: 2fps - 25fps(default: 25fps)                                                                                                                                                                |
|                              | Sub Stream: 4fps - 15fps(default: 10fps)                                                                                                                                                                 |
| Code Rate                    | Main Stream: 2048Kbps - 9216Kbps(default: 7168Kbps)                                                                                                                                                      |
|                              | Sub Stream: 64Kbps - 512Kbps(default: 256Kbps)                                                                                                                                                           |
| Field of View                | Horizontal: 105°                                                                                                                                                                                         |
|                              | Vertical: 56°                                                                                                                                                                                            |
|                              | Diagonal: 125°                                                                                                                                                                                           |
| Day & Night                  | IR-cut filter with auto-switching                                                                                                                                                                        |
| Infrared Night Vision        | Up to 30 meters(100ft); LED: 2pcs/850nm                                                                                                                                                                  |
| Color Night Vision           | Spotlight: 1pc LED/6500K/700 Lumens                                                                                                                                                                      |
| Audio                        | Two-way audio                                                                                                                                                                                            |
| AI                           |                                                                                                                                                                                                          |
| Person & Object Detection    | Person Detection, Vehicle Detection, Animal Detection, Motion Detection                                                                                                                                  |
| Smart Event Detection        | Object Removal Detection(Beta) , Forgotten Object Detection(Beta)                                                                                                                                        |
| Perimeter Protection         | Line Crossing Alert, Zone Intrusion Alert, Zone Loitering Alert                                                                                                                                          |
| Smart Detection Setting      | Person object size; Person sensitivity; Person alarm delay;<br>Vehicle object size; Vehicle sensitivity; Vehicle alarm delay; Animal object size; Animal sensitivity; Animal alarm delay; Detection zone |
| Software                     |                                                                                                                                                                                                          |
| Browsers Supported           | Edge, Chrome, Firefox, Safari                                                                                                                                                                            |
| OS Supported                 | PC: Windows, Mac OS; Smartphone: iOS, Android                                                                                                                                                            |
| Protocols & Standards        | HTTPS, SSL, TCP/IP, UDP, HTTP, IPv4, UPnP, RTSP, RTMP, SMTP, NTP, DHCP, DNS, DDNS, FTP, P2P, ONVIF                                                                                                       |
| User Access                  | Max. 20 users (1 admin & 19 users);<br>Max. 12 simultaneous streams (2 main & 10 sub streams)                                                                                                            |
| Other Features               |                                                                                                                                                                                                          |
| Record Mode                  | Motion-triggered recording (default); Scheduled recording, 24/7 recording                                                                                                                                |
| Smart Home Compatibility     | Google Assistant                                                                                                                                                                                         |
| Time Lapse                   | Yes                                                                                                                                                                                                      |
| Power                        |                                                                                                                                                                                                          |
| PoE                          | IEEE 802.3af, 48V, Active                                                                                                                                                                                |
| DC Power                     | DC 12.0V= 1A, <12W                                                                                                                                                                                       |
| Interface                    |                                                                                                                                                                                                          |
| Reset Button                 | Yes                                                                                                                                                                                                      |
| Ethernet                     | One 10M/100Mbps RJ45                                                                                                                                                                                     |
| Storage                      | microSD card slot (Max. 512GB), Reolink NVR, FTP                                                                                                                                                         |
| Audio In/Out                 | Built-in Microphone & Speaker                                                                                                                                                                            |
| Working Environment          |                                                                                                                                                                                                          |
| Operating Temperature        | -30°C~+55°C                                                                                                                                                                                              |
| Operating Humidity           | 10% ~ 90%                                                                                                                                                                                                |
| Weatherproof                 | IP67                                                                                                                                                                                                     |
| Mechanical                   |                                                                                                                                                                                                          |
| Dimensions                   | 68 x 63 x 188mm                                                                                                                                                                                          |
| Weight (Without Accessories) | 452.4g                                                                                                                                                                                                   |
| Warranty                     |                                                                                                                                                                                                          |
| Limited Warranty             | 2-year limited warranty.<br>For support, visit <a href="https://support.reolink.com/hc/en-us/">https://support.reolink.com/hc/en-us/</a> .                                                               |

- ① Mount
- ② Daylight Sensor
- ③ Infrared Lights
- ④ Lens
- ⑤ Spotlight
- ⑥ LAN Port
- ⑦ Reset Button
- ⑧ Power Port(optional)
- ⑨ microSD Card Slot
- ⑩ Built-in Mic
- ⑪ Speaker



Wall Mount



Ceiling Mount

