RP-PCT8M

4K Smart PoE Camera with Color Night Vision

4K
4K Resolution

Color Night Vision

125°
125° Ultra-Wide Diagonal Field of View

Smart Event Detection

Perimeter Protection

Multiple Recording Options

Person & Object Detection

IP67 Weatherproof

Infrared Night Vision

Active Deterrent

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

Smart Detection

The Smart Detection system accurately identifies a wide range of targets, including people, vehicles, animals, non-motorized vehicles, and packages. 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.
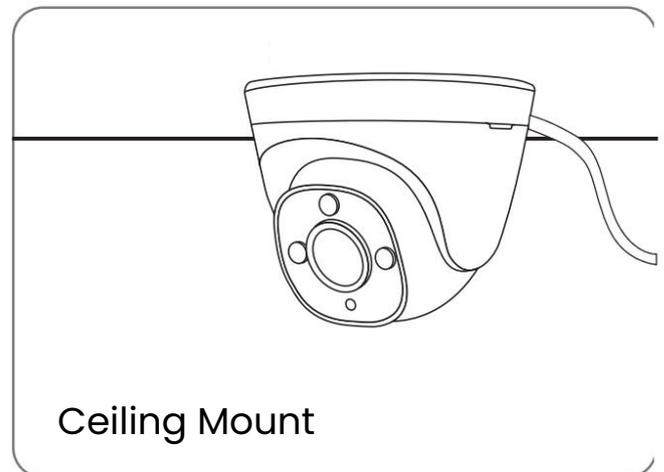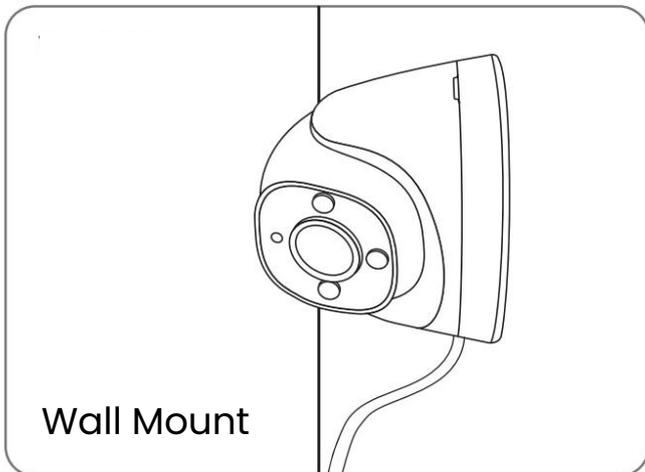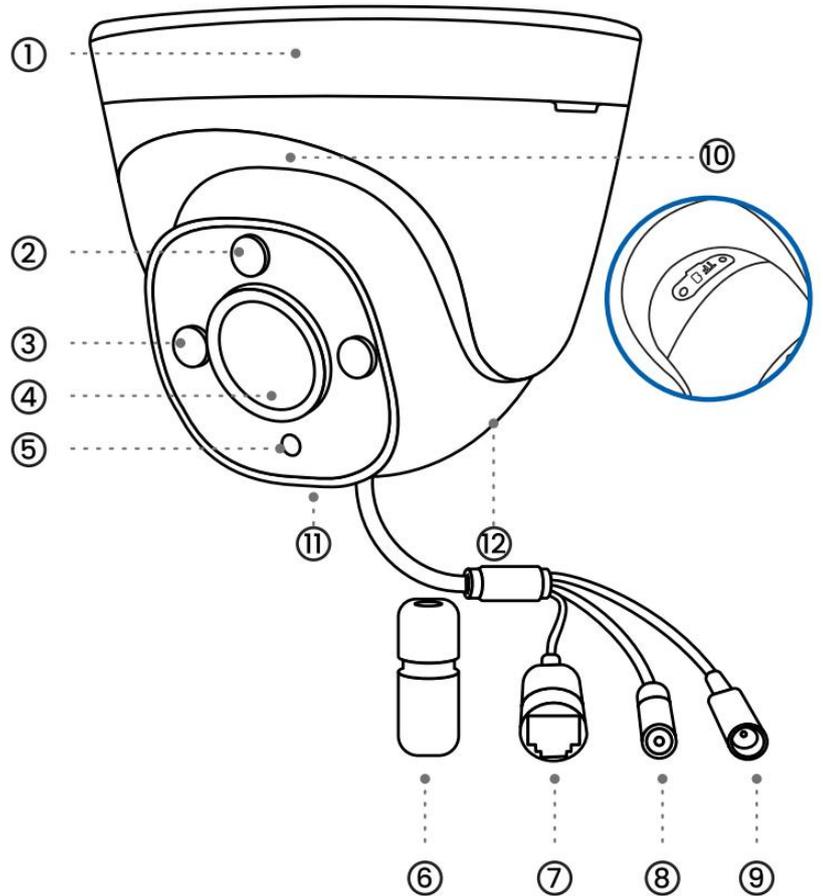
Rugged & Weatherproof Design

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.

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; 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
User Access	Max. 20 users (1 admin & 19 users);
	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	Φ117.4 x 103.8mm
Weight (Without Accessories)	526g
Warranty	
Limited Warranty	2-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/.

① Mount

② Spotlight

③ Infrared Lights

④ Lens

⑤ Daylight Sensor

⑥ Waterproof Lid

⑦ LAN Port

⑧ Reset Button

⑨ Power Port(optional)

⑩ microSD Card Slot

⑪ Built-in Mic

⑫ Speaker

Wall Mount

Ceiling Mount