

Reolink Professional Series Products

Reolink Professional Series: Features

ReoNeura™: Reolink AI



AI Video Search

Natural Language, Open Semantic Retrieval
Easy operation, No monthly fee



Perimeter Protection

Line Crossing Alert |
Zone Intrusion Alert | Zone Loitering Alert



Heat Map

Movement Hotspots,
Flow Direction Patterns



Smart Detection

Person & Object Detection
Smart Event Detection (beta)



Smart Video Analysis¹

Video Captioning, Smart Summary

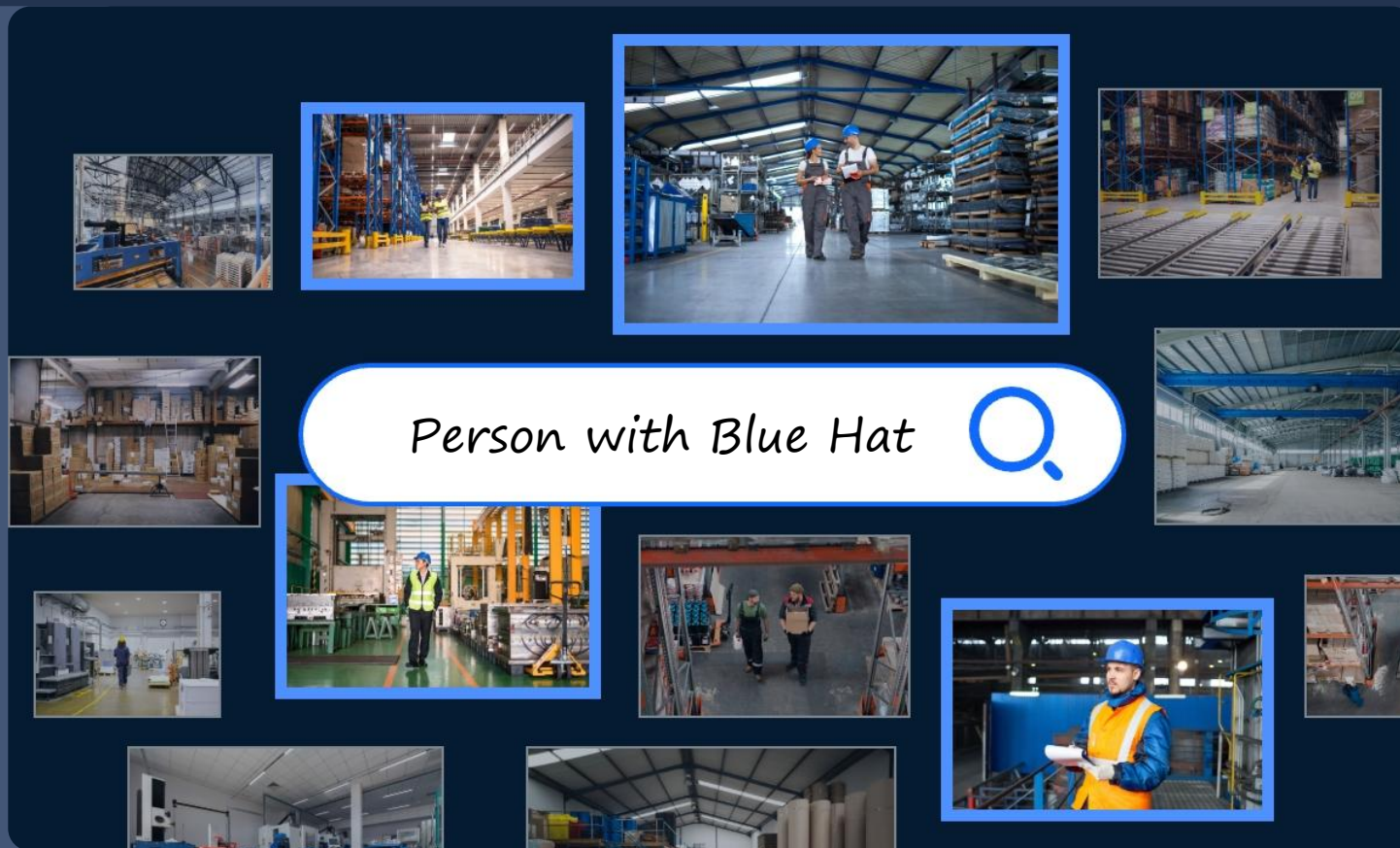


People Counting & Crowd Zone Monitoring²

Traffic Tracking |
Real-time Crowd Density

ReoNeura™: AI Video Search₁

Natural language open semantic search, allowing users to quickly find relevant videos by inputting brief descriptions



ReoNeura™: Smart Detection

Person & Object Detection ¹



Person



Motor
Vehicle



Animal



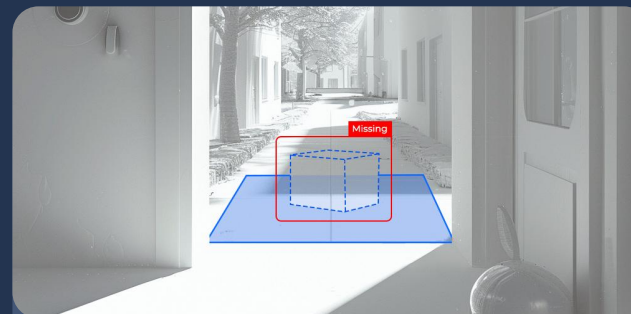
Package



Non-motorized
Vehicle

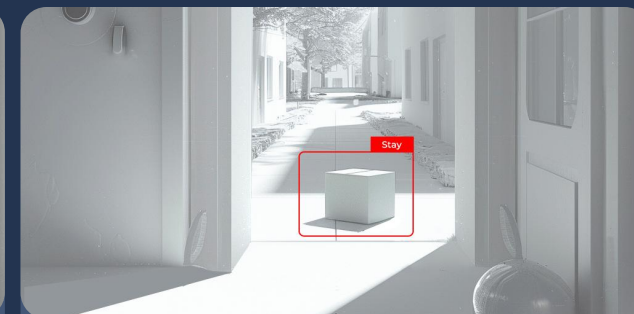


Smart Event Detection ^{beta}



Object Removal

Detects the absence of objects



Forgotten Object

Detects forgotten objects

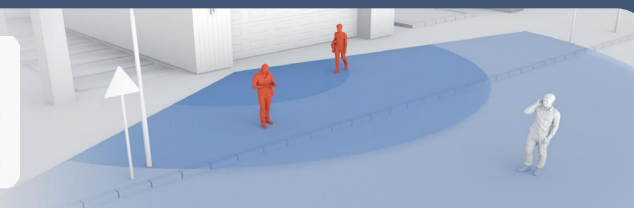
Detection Sensitivity

Sensitivity



Insensitive

Sensitive



ReoNeura™: Perimeter Protection

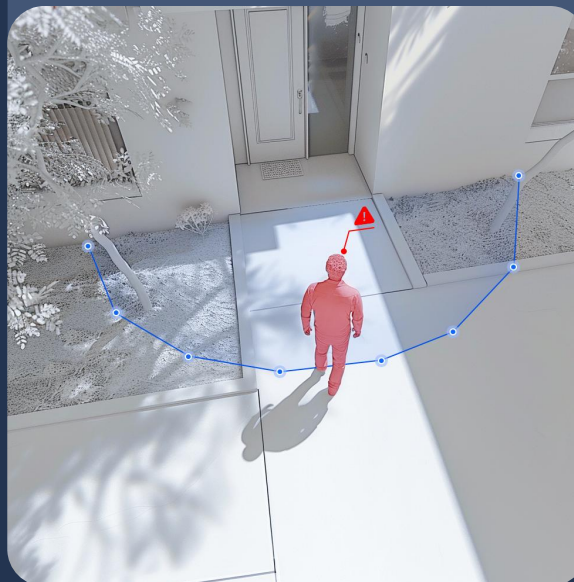
Line Crossing Alert

Virtual Fence



Zone Intrusion Alert

Alerts on Zone Intrusion



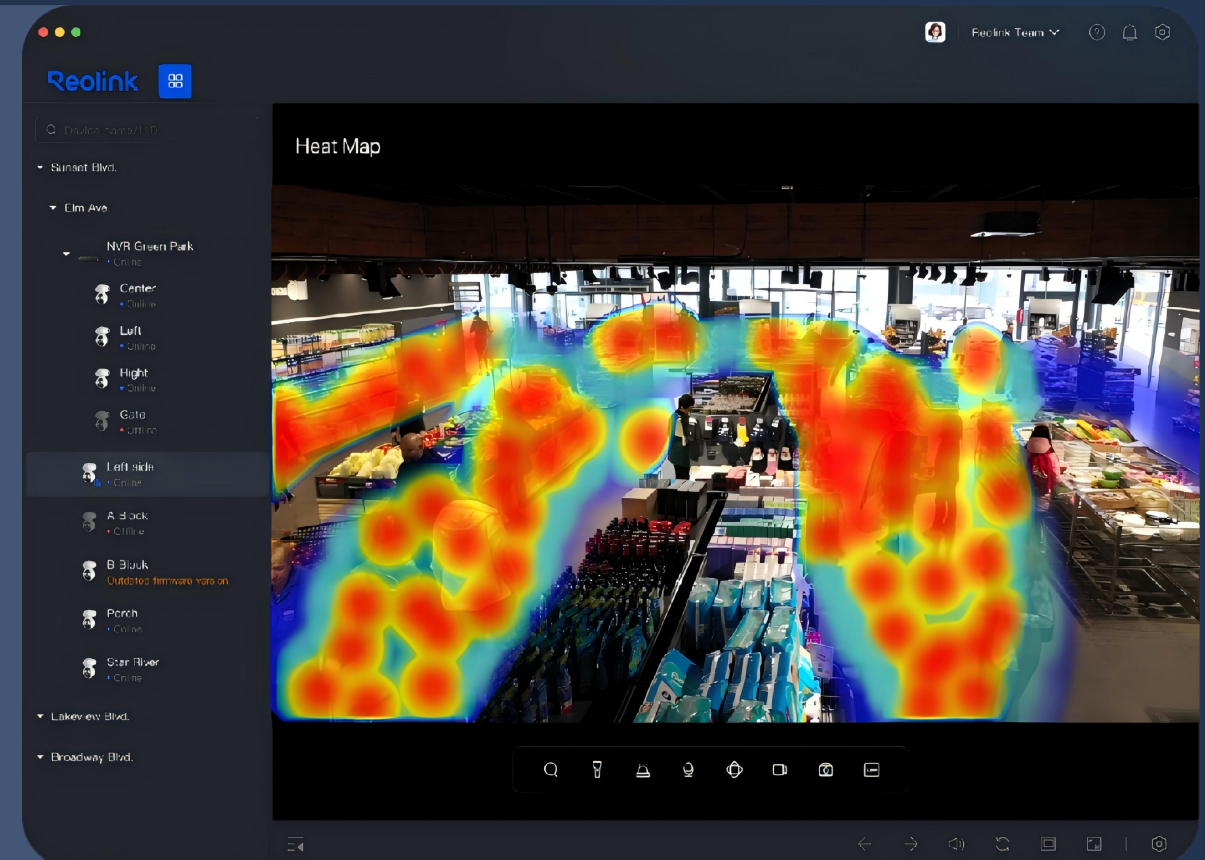
Zone Loitering Alert

Get Alerted by Loitering Threats



ReoNeura™: Heat Map₁

Gain clear insights into visitor behavior with color-coded heat maps. These reveal popular areas and low-traffic zones, helping optimize layouts and product placement.



ReoNeura™: People Counting₁

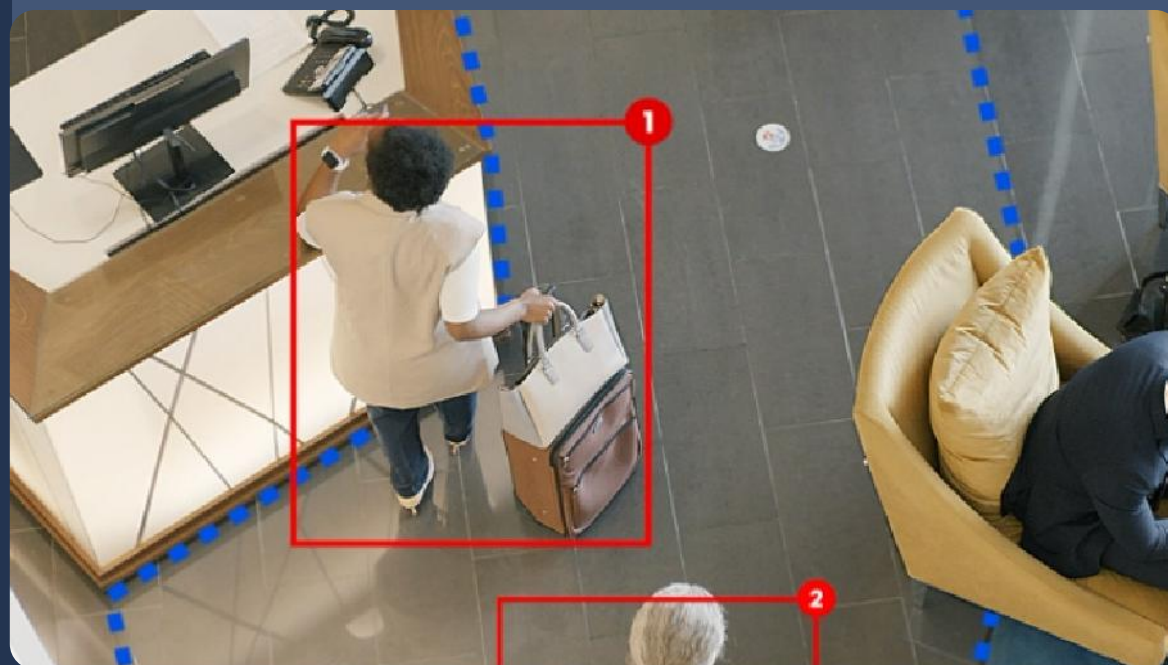
Count the number of people crossing a line (entering, leaving, passing) within a specified time period in a custom area.



ReoNeura™: Zone Crowd Monitoring₁

Count people in multiple predefined zones (density analysis): Detects crowd congestion levels in specified areas, triggering alerts based on person count or crowding severity.

For Area Crowd Detection



For Queue Management



ReoNeura™: AI-ISP (Image Signal Processor)

AI-ISP is video image enhancement technology powered by AI, especially to enhance image clarity and brightness in low-light environments

Without AI-ISP



After AI-ISP



Low Light Color Vision

ColorX technology is a game-changer in low-light situations. With the F1.0 super aperture, an advanced 1/1.8" sensor, and the WDR technology, it turns extreme darkness into clear, colorful visuals, making nighttime surveillance as clear as daytime.



RP-PCB8MX

Zero Light Pollution, Ensure Stealthiness
Glare-Free Imaging of Metal Surfaces
Energy Saving



Daytime Vision



Nighttime Vision



F1.0 Super Aperture

F1.0 aperture captures 4X more light than F2.0



Advanced 1/1.8" Sensor

Larger surface for light capture and higher sensitivity to colors.



Powerful ISP Module

Advanced ISP algorithm to restore more details and natural colors.



Naked Eye Perspective



Spotlight Night Vision



ColorX Night Vision

180° Ultra Coverage with Motion Track₁

Advanced dual-image stitching algorithm to merge dual-lens images into a seamless panoramic view.
Get the Full Story in One Picture with Motion Track.



RP-PCT16MD

Minimal Distortion

Overcome the distortion challenges by algorithm
simulating human eyes visual effects



Other camera

Reolink camera

Up to 16MP Resolution

Featuring two 4K image sensors, Reolink Professional series
brings groundbreaking 16MP UHD clarity



16MP

1080p

Flexible Alarm Integration

Interface¹

1 Alarm Input (12V/1A): alarm sensors, door magnets and other devices output high and low level signals.

1 Alarm Output (12V/10mA): siren, buzzer, strobe lights and so on.

Input/Output Devices & Camera Linkage

- Alarm in device triggers camera actions such as video recording, email notifications, push alerts, siren activation.
- Camera smart detection triggers alarm out devices, like siren or strobe light.
- Alarm in device triggers alarm out device.

Configuration

The linkage of I/O devices and camera can be configured in NVR or VMS².



Other Enhancement

Processor Performance

Resolution	max frame rate	
	non Pro Series	Pro Series
8MP ¹	25fps	30fps
12MP	20fps	25fps
16MP	20fps	25fps

Improve visual fluency
Captured more dynamic details
Reduce motion blur

Operating Temperature

non Pro Series	Pro Series
-10°C~55°C -4°F~131°F	-30°C~55°C -22°F~131°F

Adaptable in wider temperature
conditions

Max. micro SD Capacity

non Pro Series	Pro Series
256GB	512GB

Increase retention period to prevent
overwriting, and thus enhance data
reliability

Reolink VMS

Device Management

Device Access & Configuration

Group and Hierarchical Mgmt.

- ✓ e.g. by projects and regions

Device Status Monitoring

- ✓ Online/offline status
- ✓ Battery level

Surveillance

AI Video Search

Real-time Preview

- ✓ Multi-screen display
- ✓ Screen switching, zooming

PTZ and Lens Control

- ✓ PTZ orientation, focal length, aperture
- ✓ Preset positions setting

Alarm Management

Alarm Monitoring

- ✓ Device anomaly alarm
- ✓ Smart detection
- ✓ Perimeter Protection

Responsive Alarm

- ✓ Alarm promptly popped up

Account Management

Personnel Management

- ✓ Members add/remove
- ✓ Roles assignment

Areas Access Control

- ✓ Regional roles allocation
- ✓ Personnel permissions

Device-Account Linking

- ✓ Connect devices to accounts
- ✓ Display areas & devices based on permissions

One account, Multi Clients

- ✓ Bind devices to personnel accounts

Further Features in Plan

Batch Device Operations

Device Alarm Linkage

Data Statistics and Analysis

Product Selection

Camera One Page: RP-PCB8M/PR-PCT8M

One Sentence

4K Smart PoE Camera with Spotlight Color Night Vision



RP-PCB8M & RP-PCT8M

Key Selling Points

4K

4K Resolution

Deliver 4K sharp images day and night with rich details



Spotlight Color Night Vision

Adjustable spotlight triggered by motion detection and brightness



Two-way Audio

Listen and speak in real time through your camera via Reolink App



Person & Object Detection

Person detection, Vehicle detection, Animal detection



Perimeter Protection

Line Crossing Alert, Zone Intrusion Alert, Zone Loitering Alert



Multiple Recording Options

24/7 record with micro SD card up to 512GB, NVR or FTP server



High Reliability

Metal house, IP67 Waterproof, Operating Conditions: -30°C ~55°C (-22°F~131°F)



Smart Event Detection beta

Object Removal
Forgotten Object

Other Features



Infrared
Night Vision



Active
Deterrents



H.265/H.264 dual
compression technologies



Work with:
Google Assistant



Time-Lapse
recording



Multi-Platform Remote
Control

Camera One Page: RP-PCB12M / RP-PCT12M

One Sentence

12MP Smart PoE Camera with Spotlight Color Night Vision



RP-PCB12M & RP-PCT12M

Key Selling Points

12MP

12MP Resolution@25fps
Deliver 12MP sharp images with 25 frames per second



Spotlight Color Night Vision
Adjustable spotlight triggered by motion detection and brightness



AI Video Search
To find relevant videos by natural language search and advanced search tools



Person & Object Detection
Person detection, Vehicle detection, Animal detection



Smart Event Detection beta
Object Removal
Forgotten Object



Perimeter Protection
Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



Multiple Recording Options
24/7 record with microSD card up to 512GB, NVR or FTP server



High Reliability
Metal house, IP67 Waterproof,
Operating Conditions: -30°C ~55°C (-22°F~131°F)

Other Features



Infrared
Night Vision



Active
Deterrents



Two-way
audio



AI-ISP



Time-Lapse
recording



Work with:
Google Assistant



Wide viewing
angle



Multi-Platform Remote
Control

Camera One Page: RP-PCB8MZ

One Sentence

4K Smart PoE Camera with
5X Optical Zoom and Color
Night Vision



RP-PCB8MZ

Key Selling Points

4K

4K Resolution@30fps

Deliver 4K sharp images
with 30 frames per second



Spotlight Color Night Vision

Adjustable spotlight triggered
by motion detection and
brightness



5X Optical Zoom

View small & distant details
without compromising
image quality



AI Video Search

To find relevant videos by
natural language search
and advanced search tools



Two-way Audio

Listen and speak in real time
through your camera via
Reolink App



Smart Event Detection beta

Object Removal
Forgotten Object



Perimeter Protection

Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



**Multiple Recording
Options**

24/7 record with micro SD
card up to 512GB, NVR or FTP
server



High Reliability

Metal house, IP67 Waterproof,
Operating Conditions: -30°C
~55°C (-22°F~131°F)



Person & Object Detection

Person detection,
Vehicle detection,
Animal detection

Other Features



**Infrared
Night Vision**



**Active
Deterrents**



AI-ISP



**Alarm In/Out
interface**



**Work with:
Google Assistant**



**Time-Lapse
recording**



**Multi-Platform Remote
Control**

Camera One Page: RP-PCB8MX

One Sentence

4K Smart PoE Camera with
ColorX Night Vision



RP-PCB8MX

Key Selling Points

4K

4K Resolution@30fps

Deliver 4K sharp images
with 30 frames per second



ColorX Night Vision

Turn the night into true colors
with colorX technology



AI-ISP

Enhanced clarity in low-
light scenes.



AI Video Search

To find relevant videos by
natural language search
and advanced search tools



Person & Object Detection

Person detection
Vehicle detection
Animal detection



Smart Event Detection beta

Object Removal
Forgotten Object



Perimeter Protection

Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



Multiple Recording Options

24/7 record with microSD
card up to 512GB, NVR or FTP
server



High Reliability

Metal house, IP67 Waterproof,
Operating Conditions: -30°C
~55°C (-22°F~131°F)

Other Features



**Active
Deterrents**



**Two-way
audio**



**Alarm In/Out
interface**



**Work with:
Google Assistant**



**Time-Lapse
recording**



**Multi-Platform Remote
Control**

Camera One Page: RP-PCT8MD

One Sentence

4K Smart PoE Camera with 180° Dual-Lens and Spotlight Color Night Vision



RP-PCT8MD

Key Selling Points

4K

8MP Resolution

Deliver 8MP sharp images with 25 frames per second

180°

180° Panorama

Merge dual-lens images into seamless panoramic view with advanced stitching algorithm



Spotlight Color Night Vision

Adjustable spotlight triggered by motion detection and brightness



AI Video Search

To find relevant videos by natural language search and advanced search tools



Person & Object Detection

Person detection, Vehicle detection, Animal detection



Smart Event Detection beta

Object Removal
Forgotten Object



Perimeter Protection

Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



Multiple Recording Options

24/7 record with microSD card up to 512GB, NVR or FTP server



High Reliability

Metal house, IP67 Waterproof,
Operating Conditions: -30°C
~55°C (-22°F~131°F)

Other Features



**Infrared
Night Vision**



**Active
Deterrents**



**Two-way
audio**



**Work with:
Google Assistant**



**Time-Lapse
recording**



**Multi-Platform Remote
Control**

Camera One Page: RP-PCV8MZ

One Sentence

4K IK10 Vandal-Proof PoE
Camera with 5X Optical Zoom
and Spotlight Color Night Vision



RP-PCV8MZ

Key Selling Points

4K

4K Resolution@30fps

Deliver 4K sharp images
with 30 frames per second



5X Optical Zoom

View small & distant details
without compromising
image quality



Spotlight Color Night Vision

Adjustable spotlight
triggered by motion
detection and brightness



AI Video Search

To find relevant videos by
natural language search
and advanced search tools

IK10

IK10 Vandal-Proof

Vandal Resistant with IK10
rating



Smart Event Detection beta

Object Removal
Forgotten Object



Perimeter Protection

Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



Person & Object Detection

Person detection,
Vehicle detection,
Animal detection



High Reliability

Metal house, IP67 Waterproof,
Operating Conditions: -30°C
~55°C (-22°F~131°F)

Other Features



Infrared
Night Vision



Active
Deterrents



Two-way
audio



AI-ISP



Alarm In/Out
interface



Work with:
Google Assistant



Time-Lapse
recording



Multi-Platform Remote
Control

Camera One Page: RP-PCT16MD

One Sentence

16MP Smart PoE Camera with 180° Dual-Lens and Spotlight Color Night Vision



RP-PCT16MD

Key Selling Points

16MP

16MP Resolution

Deliver 16MP sharp images with 25 frames per second



180° Panorama

Merge dual-lens images into seamless panoramic view with advanced stitching algorithm



Spotlight Color Night Vision

Adjustable spotlight triggered by motion detection and brightness



AI Video Search

To find relevant videos by natural language search and advanced search tools



Person & Object Detection

Person detection, Vehicle detection, Animal detection



Smart Event Detection beta

Object Removal
Forgotten Object



Perimeter Protection

Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



Multiple Recording Options

24/7 record with microSD card up to 512GB, NVR or FTP server



High Reliability

Metal house, IP67 Waterproof,
Operating Conditions: -30°C ~55°C (-22°F~131°F)



Motion Track

Get the Full Story in One Picture

Other Features



Infrared Night Vision



Active Deterrents



Two-way audio



**Work with:
Google Assistant**



Time-Lapse recording



Multi-Platform Remote Control

Camera One Page: PTZ Camera

One Sentence

4K Smart PoE Camera with
21X Optical Zoom and Color
Night Vision



RP-PCPT8M21Z

Key Selling Points

4K

4K Resolution@30fps

Deliver 4K sharp images
with 30 frames per second



Spotlight Color Night Vision

Adjustable spotlight triggered
by motion detection and
brightness



21X Optical Zoom (TBD)

View small & distant details
without compromising
image quality



AI Video Search

To find relevant videos by
natural language search
and advanced search tools



Full Coverage

360° No Blindpoint
Protection, 90° tilt



Auto Patrol

Quickly switch between
predefined positions to
focus on critical
monitoring areas



Person & Object Detection

Person detection,
Vehicle detection,
Animal detection



Perimeter Protection

Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



High Reliability

Metal house, IP66 Waterproof,
Operating Conditions: -30°C
~55°C (-22°F~131°F)



Smart Event Detection beta

Object Removal
Forgotten Object

Other Features



**Infrared
Night Vision**



**Active
Deterrents**



**Two-way
audio**



**Multiple Recording
Options**



**Work with:
Google Assistant**



**Time-Lapse
recording**



**Multi-Platform Remote
Control**

Camera One Page: RP-WCB8MZ

One Sentence

4K Outdoor Wi-Fi 6 Camera with 5X Optical Zoom and Color Night Vision



RP-WCB8MZ

Key Selling Points

4K

4K Resolution@25fps

Deliver 4K sharp images with 25 frames per second



AI Video Search

To find relevant videos by natural language search and advanced search tools

WiFi 6

Dual-Band Wi-Fi 6

Fast, stable 2.4 GHz & 5 GHz Wi-Fi with WPA3 encryption for security.



Smart Event Detection beta

Object Removal
Forgotten Object



5X Optical Zoom

View small & distant details without compromising image quality



Perimeter Protection

Line Crossing Alert,
Zone Intrusion Alert,
Zone Loitering Alert



Spotlight Color Night Vision

Adjustable spotlight triggered by motion detection and brightness



High Reliability

Metal house, IP67 Waterproof,
Operating Conditions: -30°C
~55°C (-22°F~131°F)



Person & Object Detection

Person detection,
Vehicle detection,
Animal detection

Other Features



Multiple Recording Options



Active Deterrents



Two-way audio



AI-ISP



Alarm In/Out interface



**Work with:
Google Assistant**



Time-Lapse recording



Multi-Platform Remote Control

NVR One Page: RP-PN8

One Sentence

12-Channel PoE NVR for
24/7 Continuous Recording



RP-PN8

Key Selling Points

PoE

8 PoE Ports¹

The plug-and-play setup saves you time and effort.



Supports up to 12 Cameras

8 PoE or plug-in Wi-Fi cameras plus 4 battery-powered Wi-Fi cameras, or 12 battery-powered Wi-Fi cameras.



Plug & Play

Plug & Play, Reliable Connection

32TB

Maximum 32TB

1 embedded SATA + 1 external eSATA, up to 16TB capacity for each HDD.



24/7 Recording

Continuous recordings directly to HDD or FTP



Heat Map

Measure the density of people in a specified area during a specified time period



Multi-Access

Easily check live feeds from anywhere via the Reolink App/Client or local monitor



File Encryption

Encryption protects video files from unauthorized access

NVR One Page: RP-PN16

One Sentence

24-Channel PoE NVR for
24/7 Continuous
Recording



RP-PN16

Key Selling Points

PoE

16 PoE Ports¹

The plug-and-play setup saves you time and effort.



Supports up to 24 Cameras

16 PoE or plug-in Wi-Fi cameras plus 8 battery-powered Wi-Fi cameras, or 24 battery-powered Wi-Fi cameras.



Plug & Play

Plug & Play, Reliable Connection

32TB

Maximum 32TB

2 SATA interfaces for 2 HDDs, up to 16TB capacity for each HDD



24/7 Recording

Continuous recordings directly to HDD or FTP



Heat Map

Measure the density of people in a specified area during a specified time period



Multi-Access

Easily check live feeds from anywhere via the Reolink App/Client or local monitor



File Encryption

Encryption protects video files from unauthorized access

NVR One Page: RP-N64

One Sentence

64-Channel NVR for 24/7 Continuous Recording



RP-N64

Key Selling Points



Centralized Management

Supports up to 64 cameras: PoE or plug-in Wi-Fi cameras or battery-powered Wi-Fi cameras

80TB

Maximum 80TB

4 SATA interfaces for 4 HDDs, up to 20TB capacity for each HDD



AI Video Search

To find relevant videos by natural language search and advanced search tools



Supports up to 64 Cameras

Reolink PoE, plug-in Wi-Fi cameras, battery-powered Wi-Fi Cameras



Heat Map

Measure the density of people in a specified area during a specified time period



24/7 Recording

Continuous recordings directly to HDD or FTP



Dual HDMI Ports

Multi-Screen synchronized output, flexibly expanding the monitoring field of view

H.265+

Intelligent H.265+

Reducing video storage space and achieving efficient storage and smooth transmission.



8*Alarm In, 4*Alarm Out

Achieve precise event triggering and rapid coordinated response



File Encryption

Encryption protects video files from unauthorized access