Reolink **Professional Series**

RP-PN8

12-Channel PoE NVR for 24/7 Continuous Recording

PoE Easy Setup	**16MP** Up to 16MP Resolution	**2TB** Pre-installed 2TB HDD	**32TB** Support Maximum 32TB
Heat map Heat Map	240Mbps Input / Output Bandwidth	File Encryption	Centralized Management
Remote Access	Local Access	**24** 24/7 Recording	

Feature Descriptions

16MP Ultra HD Footage

Supports up to 16MP resolution from connected cameras, capturing ultra-clear footage in vivid color or sharp black and white—day or night. Every detail stays in sharp focus, ensuring enhanced clarity for critical surveillance needs.

All-in-One Control & Storage System

A centralized solution for video storage and alarm management across all Reolink cameras—wired, wireless, PoE, and doorbells (excluding 4G models). Equipped with 8 PoE ports and expandable to 12 channels, the system supports up to 8 PoE/Wi-Fi cameras plus 4 battery-powered Wi-Fi cameras, or up to 12 battery-powered Wi-Fi cameras in total. This flexible setup allows you to build a customized surveillance system tailored to your security needs.

Massive Enterprise-Grade Storage Capacity

With a pre-installed 2TB HDD and expandable storage up to 32TB (1×16TB SATA, 1×16TB e-SATA), the NVR is ideal for large-scale surveillance deployments, ensuring reliable data archiving and quick access to historical video records.

24/7 Continuous Recording

Experience the peace of mind that comes with 24/7 local recording. The NVR captures and stores footage continuously, ensuring no moment is missed and enabling instant playback whenever you need it.

AI Video Search

Quickly locate targets in local recordings by entering descriptive phrases like "white van" or "person wearing a hat" using a virtual or physical keyboard. For faster searches without typing, use the structured click-to-select panel—choose attributes like Top: T-shirt and Color: Red to auto-generate search terms, then simply click Search. AI Video Search significantly shortens investigation time, enhancing response speed and decision-making efficiency. All searches are performed locally, ensuring data privacy with no additional costs.

Heat Map

The heat map function visually displays foot traffic patterns by analyzing movement and dwell time within a specific area. Commonly used in high-traffic environments like shopping malls, supermarkets, and museums, it generates a color-coded map that highlights where people gather and how long they stay—offering clear, intuitive insights for space utilization and security optimization.
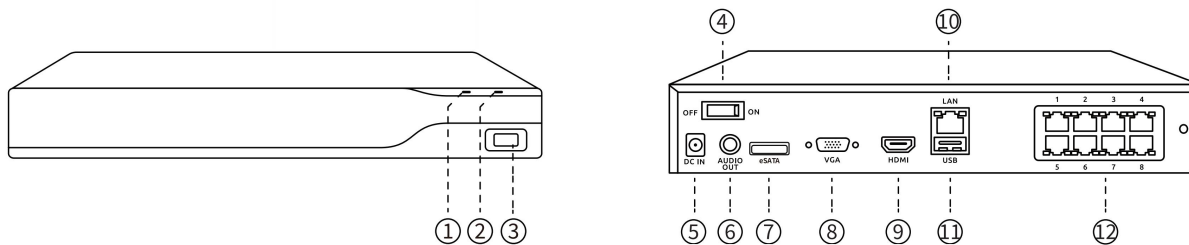
Multiple Access Methods

Access the NVR locally via a connected monitor or remotely through the Reolink app and client software. Enjoy live viewing and playback anytime, anywhere—whether you're on-site or on the go.
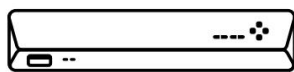
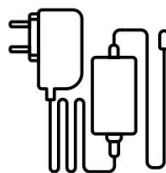| Video/Audio Input	
IP Video Input	Supports maximum 8 wired cameras(includes PoE cameras and plug-in powered Wi-Fi cameras), and 4 battery-powered Wi-Fi cameras.
	Supports up to 16 MP resolution for each channel
Audio Input	Cameras with built-in MIC
Incoming Bandwidth	240Mbps
Outgoing Bandwidth	240Mbps
Video/Audio Output	
Video Output	1 HDMI, 1 VGA
Display Resolution	HDMI: 3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768
	VGA: 1920x1080, 1280x1024, 1280x720, 1024x768
Audio Output	1 audio out channel, RCA
Decoding	
Video Compression	H.265 / H.264
Live View/Playback Resolution	7680*2160, 4608*1728, 4512*2512, 4096*3072, 3840*2160, 2560*2560, 2560*1920, 2560*1440, 2048*1536, 2304*1296,1080P,720P
Synchronous Playback	1-4 channels (Supports only 1-channel playback if you view it in 8MP or higher resolution)
HDD	
SATA	1 SATA interface (with or without 2TB HDD)
External HDD	1 eSATA interface for HDD
Capacity	Up to 32TB (up to 16TB capacity for each HDD)
External Interfaces	
USB Interface	2 x USB 2.0
Network Interface	8 x RJ-45, 10/100 Mbps self-adaptive PoE Ethernet interface (for IP cameras)
	1 x RJ-45, 10/100/1000 Mbps self-adaptive (for LAN/WAN)
Alarm Input/Output	N/A
PoE	
Max. Power per Port	25W
Supported Standard	IEEE 802.3 af/at
Network	
Network Protocols	HTTP, TCP/IP, UDP, DHCP, P2P, UPNP, RTSP, RTMP, SMTP, SSL/TLS, DNS, DDNS, NTP,FTP
Browsers Supported	Edge, Firefox, Chrome, Safari
OS Supported	PC: Windows, Mac OS; Smart phone: iOS, Android
User Access	20 Users (1 admin account & 19 user accounts); supports up to 12 simultaneous video streams (10 substreams & 2 mainstreams)
AI	
AI Video Search	Yes (Requires support from compatible cameras.)
Person & Object Detection	Person, Vehicle, Non-motorized vehicle, Animal and Package (Requires support from compatible cameras.)
Perimeter Protection	Line Crossing Alert, Zone Intrusion Alert, Zone Loitering Alert (Requires support from compatible cameras.)
Smart Event Detection	Object Removal Detection(Beta) , Forgotten Object Detection(Beta) (Requires support from compatible cameras.)
Heat Map	Yes
General	
Power Supply	DC 52V/2.3A
Power Consumption	<10W (without HDD & PoE)
Working Environment	Temperature: -10°C ~ + 45°C (14°F ~ 113°F); Humidity: 10% ~ 90%
Dimensions	255mmx50mmx211mm
Weight	1.4kg (Without HDD) 1.8kg (With HDD)
Warranty	
Limited Warranty	3-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/.

Reolink Product Explanation

① Power LED   ⑤ Power Input   ⑨ HDMI Port

② HDD LED   ⑥ Audio Out   ⑩ LAN Port

③ USB PORT   ⑦ eSATA Port   ⑪ USB Port

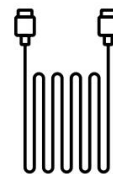④ Power Switch   ⑧ VGA Port   ⑫ PoE Ports
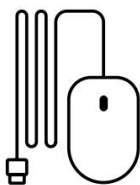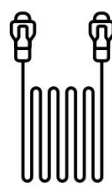

What's in the Box (NVR System)

NVR

NVR Power Adapter

HDMI Cable

USB Mouse

1M Network Cable

Quick Start Guide