Reolink **Professional Series**

RP-N64

64-Channel NVR for 24/7 Continuous Recording



16MP
Up to 16MP Resolution

Supports up to 64 Cameras

Support Maximum 80TB

AI Video Search

Heat map
Heat Map

H.265 / Intelligent H.265+*
*Requires Camera Support

File Encryption

8 Alarm In, 4 Alarm Out

Remote Access

Local Access

24/7 Recording

Centralized Management

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

Provides centralized storage and alarm management for a wide range of Reolink camera models. Equipped with 8 Gigabit downlink Ethernet ports (non-PoE), it supports expansion to 64 channels via connection to a PoE switch, accommodating up to 64 Reolink cameras in total, including PoE cameras, Wi-Fi cameras, and battery-powered Wi-Fi cameras (4G models excluded).

Massive Enterprise-Grade Storage Capacity

Features four internal SATA bays, each supporting up to 20TB HDDs (without HDD), for a maximum total capacity of 80TB—meeting the storage demands of multi-channel recording.

Disk Group Mode

Disk Group Mode partitions four HDDs into two independent groups, with channels assigned to specific groups for simultaneous read/write across both. This boosts storage efficiency in multi-channel setups, reduces HDD load, and prevents dropped frames or stuttering. Users can also allocate storage based on channel importance to prioritize critical recordings.

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. This feature is built directly into the NVR and works with any connected camera, even if the camera itself does not support AI 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.

24/7 Continuous Recording

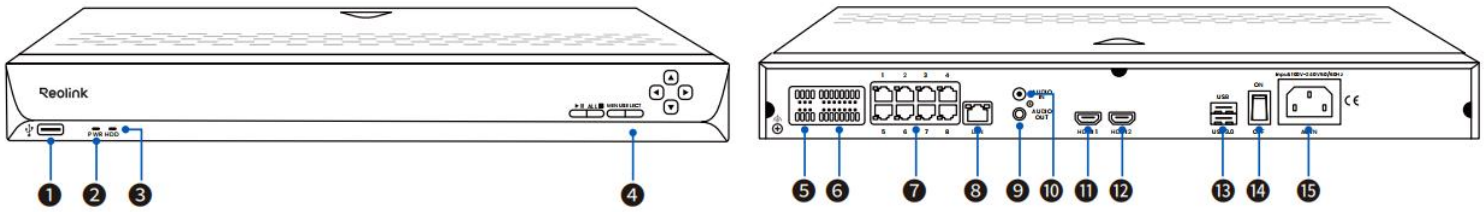
Experience the peace of mind that comes with 24/7 local recording. The NVR captures and stores footage continuously, ensuring no moment is missed and enabling instant playback whenever you need it.

Specification

Video/Audio Input	
IP Video Input	Up to 64 IP Cameras (Max.64 wired cameras)
	Supports up to 16 MP resolution for each channel
Audio Input	1 audio in channel, RCA; Via cameras with mic
Incoming Bandwidth	768Mbps
Outgoing Bandwidth	768Mbps
Video/Audio Output	
Video Output	2 HDMI
Display Resolution	HDMI: 3840x2160, 2560x1440_x0005_, 1920x1080, 1280x1024, 1280x720, 1024x768
	VGA: 1920x1080, 1280x1024, 1280x720, 1024x768
Audio Output	1 audio out channel, RCA
Decoding	
Video Compression	Intelligent H.265+, H.265, H.264
Live View/Playback Resolution	7680X2160, 4608X1728; 4512X2512, 4096X3072, 3840X2160, 2560*2560, 2560X1920, 2560X1440, 2048X1536, 2304X1296, 1080P, 720P
Synchronous Playback	1-4 channels (8MP and below: up to 4ch; above 8MP: 1ch)
HDD	
SATA	4 SATA interface
External HDD	N/A
Capacity	Up to 80TB (up to 20TB capacity for each HDD)
External Interfaces	
USB Interface	2 x UBS 2.0 + 1 x USB 3.0
Network Interface	8 x RJ-45, 10/100/1000 Mbps self-adaptive (for Switches)
	1 x RJ-45, 10/100/1000 Mbps self-adaptive (for LAN/WAN)
Alarm Input/Output	In: 8 channels; Out: 4 channels
PoE	
Max. Power per Port	N/A
Supported Standard	N/A
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
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	100-240 VAC, 50/60Hz, 1.5A
Power Consumption	<10W (without HDD & PoE)
Working Environment	Temperature: -10°C ~ + 45°C (14°F ~ 113°F); Humidity: 10% ~ 90%
Dimensions	440mmx44mmx314mm
Weight	2.88kg (Without HDD)
Warranty	
Limited Warranty	3-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/.

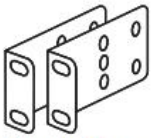
Product Explanation

① USB Port
② Power LED
③ HDD LED
④ Control Panel
⑤ Alarm Out
⑥ Alarm In
⑦ Ethernet Ports
⑧ LAN Port
⑨ Audio Out
⑩ Audio In
⑪ HDMI Port 1
⑫ HDMI Port 2
⑬ USB Ports
⑭ Power Switch
⑮ Power Input

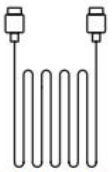


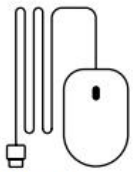
What's in the Box (NVR System)

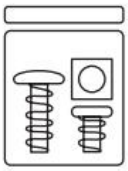

NVR

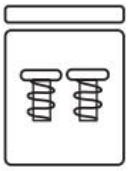

Rack Ears

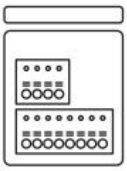

Power Cable


HDMI Cable


USB Mouse


Rack Ear Screw Pack


HDD Screw Pack


Terminal Blocks



Operational Instructions

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Note: Data subject to change without notice