

Reolink

PRO SERIES



RP-PN16

24-CHANNEL POE NVR FOR 24/7 CONTINUOUS RECORDING



Overview

Why RP-PN16?

Built-in **4TB** HDD

Expandable Storage up to **32TB**

Supports up to **16MP**

Heat Mapping Technology

Smart Event Detection

AI Video Search

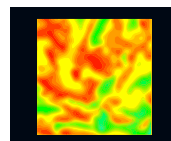
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Secure & Expandable Local Storage

With a 4TB HDD (expandable to 32TB), the RP-PN16 is built for business. It features video encryption, ensuring recordings remain password-protected even if the device is reset or stolen.



Visualize with Heat Mapping

Heat mapping visualizes traffic density and movement patterns using color. Ideal for retail and museums, it helps optimize layouts by showing exactly where people move and linger.



AI Video Search

Instantly search recordings using descriptive keywords like 'person in white'. Filter out irrelevant clips and pinpoint specific events in seconds.



Perimeter Protection

AI-driven Line Crossing, Intrusion, and Linger alerts ensure precise 24/7 protection and rapid response for critical areas.



Smart Event Detection(Beta)

Send instant alerts on objects forgotten or removed from key areas, ensuring timely action and loss prevention.

Video & Audio Input

IP Video Input

Up to 24 IP Cameras (Max. 16 wired cameras)
Up to 16 MP resolution

Audio Input

Cameras with built-in MIC

Incoming Bandwidth

400Mbps

Outgoing Bandwidth

400Mbps

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

7680X2160, 4608X1728, 4512X2512, 4096X3072, 3840X2160, 2560X2560, 2560X1920, 2560X1440, 2048X1536, 2304X1296, 1080P, 720P

Synchronous Playback

1-4 channels (Supports only 1-channel playback if you view it in 8MP or higher resolution)

HDD

SATA

2 x SATA interface (1 x 4TB HDD included)

Capacity

Up to 32TB (up to 16TB capacity for each HDD)

External Interface

USB Interface

2 x USB 2.0

Network Interface

16 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)

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

Max. User Access

20 Users (1 admin account & 19 user accounts); supports up to 12 simultaneous video streams (10 substreams & 2 mainstreams)

Other Features

AI Video Search

Yes

Person & Object Detection

Person, Vehicle, Non-motorized vehicle, Animal and Package

Perimeter Protection

Line Crossing Alert, Zone Intrusion Alert, Zone Loitering Alert

Smart Event Detection

Object Removal (beta), Forgotten Object (beta) (need cameras support)

Heat Map

Yes

General

Power Supply

DC 52V/2.3A

Power Consumption

<10W (without HDD & PoE)

Working Environment

Temperature: -10°C ~ +45°C

Humidity: 10% ~ 90%

Dimensions

255mmx50mmx211mm

Weight

1.4kg(without HDD) 1.8kg(with HDD)

Warranty

Limited Warranty

3 Year



- 1 . USB Port
- 2 . Power LED
- 3 . HDD LED



- 1 . I/O Switch
- 2 . RJ45
- 3 . Power Input
- 4 . Audio Out
- 5 . USB Out
- 6 . VGA Port
- 7 . HDMI Port
- 8 . Network