

RLK8-820D4-A

4K PoE Security System with Person/Vehicle Detection; 2TB 8-Ch NVR for 24/7 Recording

- Person/Vehicle Detection
- 4K 8MP Ultra HD
- 2TB HDD 8-Channel NVR



Specifications

RLN8-410	
Hardware	
Hardware	N7MB01
Video/Audio Input	
IP Video Input	PoE IP camera x 8
Audio Input	Cameras with built-in mic
Video/Audio Output	
Audio Output	1-channel, RCA
Video Output	VGA, HDMI
Decoding	
Video Format	H.264, H.265
Live View/Playback Resolution	4096*3072/3840*2160/2560*1920/2560*1440/2048*1536/2304*1296/1080p/720p
Synchronous Playback	Up to 4 channels
HDD	

SATA	1 x SATA interface (1 x 2TB HDD included)
External HDD	1 eSATA interface for HDD
Capacity	Up to 12TB (max. 6TB capacity for each HDD)
External Interface	
USB Interface	2 x USB 2.0
Network Interface	• 1, RJ-45 10/100 Mbps self-adaptive Ethernet interface for LAN/WAN • 8, RJ-45 10/100 Mbps self-adaptive PoE Ethernet interface for IP camera
PoE	
Max. Power Per Port	25W
Supported Standard	IEEE 802.3af/at
Network	
Network Protocols	HTTP, TCP/IP, UDP, DHCP, P2P, UPNP, RTSP, SMTP, SSL/TLS, DNS, DDNS, NTP, FTP
Browsers Supported	Edge, Firefox, Chrome, Safari
OS Supported	PC: Windows, Mac OS; smartphone: iOS, Android
Max. User Access	20 users (1 admin account & 19 user accounts); up to 12 simultaneous video streams (10 substreams & 2 mainstreams)
General	
Power Supply	DC 48V~53V
Power Consumption	<10W (without HDD & PoE)
Working Environment	Temperature: -10°C~+45°C (14°F~113°F); humidity: 10%~90%
Dimensions	260 x 41 x 230mm
Weight	1.4kg
Warranty	
Limited Warranty	2-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/ .
Hardware Features	
Display Resolution	

	• HDMI: 3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768 • VGA: 1920x1080, 1280x1024, 1280x720, 1024x768
D800	
Video & Audio	
Image Sensor	1/2.49" CMOS Sensor
Video Resolution	Default: 3840x2160 (8 megapixels) @20fps
Lens	f=4.0 mm fixed, F=2.0, with IR cut
Video Format	H.264/H.265
Field of View	• Horizontal: 87° • Vertical: 44°
Day/Night Mode	IR-cut filter with auto-switching
Night Vision	30 meters (100ft) (LED: 18pcs/14mil/850nm)
Frame Rate	• Mainstream: 2fps - 20fps (default: 20fps) • Substream: 4fps - 15fps (default: 10fps)
Code Rate	• Mainstream: 4096Kbps - 8192Kbps (default: 6144Kbps) • Substream: 64Kbps - 512Kbps (default: 256Kbps)
Audio	Audio recording
Detection/Recording Modes	
Smart Alarms	Person detection, vehicle detection, motion detection
Recording Modes	Motion-triggered recording (default), scheduled recording, 24/7 recording
Power	
PoE	IEEE 802.3af, 48V Active
DC Power	DC 12.0V=1A, <12W
Interface	
Power	DC power port
System	Reset button
Ethernet	One 10M/100Mbps; RJ45
Audio	Built-in microphone
Working Environment	

Temperature	Operating temperature: -10°C~+55°C (14°F~131°F)
Humidity	Operating humidity: 10% ~ 90%
Weatherproof	IP67
Size & Weight	
Dimension	Φ105*93mm
Weight	480g
Warranty	
Limited Warranty	2-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/
RLC-820A	
Video & Audio	
Image Sensor	1/2.49" CMOS sensor
Video Resolution	Default: 3840X2160 (8.0 Megapixels) at 25 frames/sec
Lens	f=4.0mm fixed; F=2.0, with IR-cut filter
Video Compression	H.264/H.265
Field of View	• Horizontal: 87° • Vertical: 44°
Day & Night	IR-cut filter with auto-switching
Night Vision	30 meters (100 ft) (LED: 18pcs/14mil/850nm)
Audio	Audio recording
Power	
PoE	IEEE 802.3af, 48V Active
DC Power	DC 12.0V 1A, <12W
Interface	
Power	DC power port
System	Reset button
Ethernet	One 10M/100Mbps; RJ45
Audio	Built-in microphone
Software Features	

Frame Rate	• Mainstream: 2fps - 25fps (default: 25fps) • Substream: 4fps - 15fps (default: 10fps)
Code Rate	• Mainstream: 4096Kbps - 8192Kbps (default: 6144Kbps) • Substream: 64Kbps - 512Kbps (default: 256Kbps)
Smart Alarm	Motion detection; person detection; vehicle detection; pet detection
Record Mode	Motion-triggered recording (default); scheduled recording; 24/7 recording
Working Environment	
Temperature	Operating temperature: -10°C ~ +55°C (14°F ~ 131°F)
Humidity	Operating humidity: 10% ~ 90%
Weatherproof	IP67
Size & Weight	
Dimensions	Φ105*95mm
Weight	467.5g
Warranty	
Limited Warranty	2-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/

Gallery & Specs



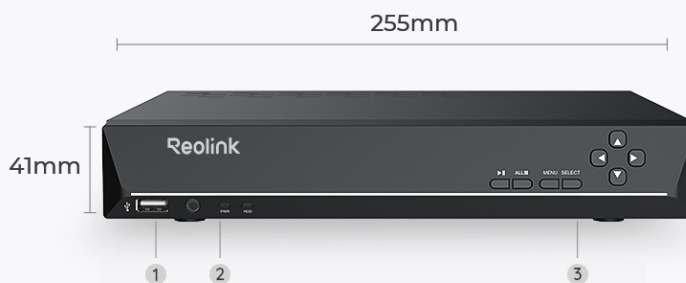
1. Mount
2. Metal Aluminum Case
3. High Definition Lens (f=4.0mm)
4. 18 IR LEDs
5. Daylight Sensor
6. Built-In Mic



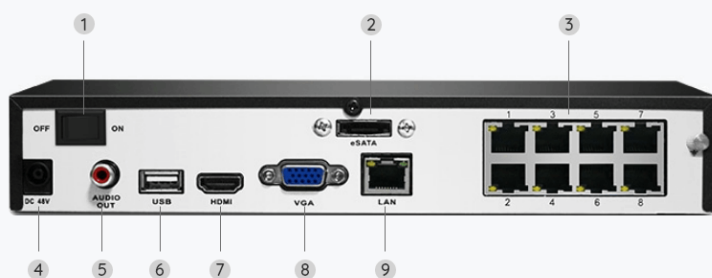
Only Manual Rotation



1. Power
2. Reset Button
3. Network
4. Waterproof Lid



1. USB Port
2. Power LED/HDD LED
3. Control Panel



1. On/Off Switch
2. eSATA
3. RJ45
4. Power Input
5. Audio Out
6. USB Port
7. HDMI Port
8. VGA Port
9. Network



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