LOREX connect



COMPATIBLE WITH LOREX connect V SERIES

VC 8-CH NVR
VC 4K 8-Channel NVR

Product Specifications

General

Video Transmission Technology	IP
Channels	8 Channels

Inputs & Outputs

Video Inputs	8 × PoE (Power over Ethernet)
Video Outputs	1 × HDMI, 1 × VGA
Audio Input Format	1 × RCA

Display

Maximum Display Resolution	Up to 4K Ultra HD (3840 × 2160 pixels)
HDMI Output Resolutions	3840 × 2160, 2560 × 1440, 1920 × 1080, 1440 × 900, 1280 × 1024, 1280 × 720, 1024 × 768
VGA Output Resolutions	1920 × 1080, 1440 × 900, 1280 × 1024, 1280 × 720, 1024 × 768
Live Display Modes	1, 4, 8 view split
On-Screen Display (OSD)	On/Off
System Navigation	USB Mouse

Recording

Supported Recording Resolutions	8 MP (3840 × 2160), 5 MP (2592 × 1944), 3 MP (2048 × 1536 pixels), 2 MP (1920 × 1080 pixels), 1.3 MP (1280 × 960), 1 MP (1280 × 720)
Video Compression	H.264 / H.265
Recording Modes	Continuous, Motion Detection, and AI Motion Detection (per channel)

Playback

Simultaneous Playback	Up to 8 Channels (Synchronized)
Playback Speed Options	Fast Forward/Rewind: 2×, 4×, 8×, 16× Slow Motion: 1/2×, 1/4×, 1/8×, 1/16×
Search Options	By Time/Date, All Motion Events, or Smart Motion Detection (Person and Vehicle)

Storage & Backup

HDD Bay	1 Bay
Maximum HDD Capacity	Up to 10 TB
Backup Media	USB Flash Drive

AI Detection & Smart Features

Adjustable Motion Detection Sensitivity Levels	1–8
AI Motion Detection Support	Supported, for Person & Vehicle, Perimeter Intrusion, and Smart Search (playback) Support Person & Vehicle, Perimeter Intrusion, Line Crossing
Active Deterrence	Supported
Smart Search	Supported

Connectivity

Mobile Viewing	Lorex Connect App (iOS and Android)
Event Notifications	Supported
Email Notifications	Supported
Network Interface	10/100 Base-TX (RJ45)
Network Bit Rate	320 Mbps
USB Ports	Back: 2 × USB 2.0
Firmware Upgrade	Network, USB
Supported Languages	English, French and Spanish
DDNS	Optional

Security

Password Reset	Supported

Power

Power Supply	54v/1.33A
PoE Power Output	Maximum 25.5 W per port[5], 57 W total
Power Consumption (Excluding HDD)	6 W

Series Family: V
Series Line: VC
SKU: RN301A-81W-AB1

Lorex Corporation
10440 Little Patuxent Parkway, Ste. 300,
Columbia, MD 21044, United States

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VC 8-CH NVR
VC 4K 8-Channel NVR

Product Specifications

Physical & Environmental

QuietTek (Fanless Design)	Supported
Product Weight	2.602 lbs (1.18 kg)
Product Dimensions (W x D x H)	12.24 x 7.57 x 1.91 in (310.90 x 192.28 x 48.51 mm)
Operating Temperature	14° F to 131° F (-10° C to 55° C)
Humidity	10~90% RH

Packaging Information

RN301A	6-95529-06396-6
Package Type	Brown Box
Package Dimensions (W x D x H)	20.24x 9.96 x 4.17 in (514.10 x252.98 x 105.92 mm)
Package Weight	4.66 lbs (2.11 kg)
Package Cube	0.49 ft³ (0.0139 m³)
Package Contents	4K Wired NVR, Ethernet Cable, HDMI Cable, USB Mouse, Power Adapter

Back Panel



Disclaimers:
1. 4K (8MP) IP cameras are required to take advantage of 4K recording.
2. Recording time may vary based on recording resolution and quality, lighting conditions and movement in the scene.
3. Accessing your security system remotely requires a high-speed Internet connection. Ensure your NVR has a wired connection to a router (not included). A minimum upload speed of 6Mbps is recommended for reasonable video performance.
4. HDMI output supports 4K HD for high definition multi-channel live or recorded video viewing. Image quality and resolution is dependent on the type of camera connected to the NVR, as well as TV/monitor resolution.
5. All connected cameras do not typically draw maximum power at the same time. If the total power demand exceeds the NVR's PoE power budget, recording performance may be temporarily affected.

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