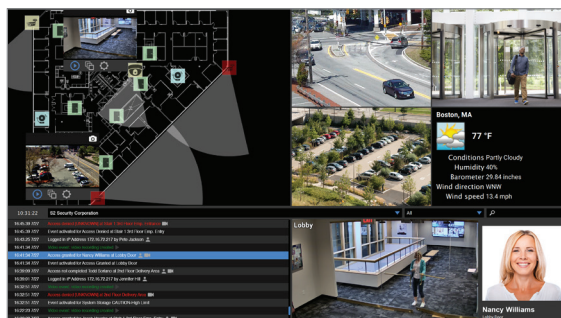# Network Node VRx

Overview

The Network Node VRx™ intelligent field panel brings access control and video management to the network edge in a single, compact device. It facilitates access control and event monitoring for NetBox™ series controllers and delivers video surveillance for connected cameras. Live and recorded video can be accessed at the node level or aggregated for centralized management.

Each Network Node VRx panel supports up to eight IP cameras and up to eight portals and can be configured with a 2TB or 4TB drive for onboard video storage. It houses up to four LenelS2 application blades for access control, inputs, outputs and temperature probes. The solid state product design provides extended longevity, delivering an ideal solution for remote, difficult to service locations.

The Network Node VRx panel includes the capability to manage and display crowdsourced video. Video footage submitted to the security team can be stored on the device and made available for forensic investigation.

The Network Node VRx panel is an efficient way to deliver access control and video management in a distributed environment. For example, a business with multiple locations can manage access control centrally but allow each location to handle its own video monitoring.

Video from connected cameras is accessible at the node level and integrated with centrally managed access control.

Key Features

Access Control

- **Portals**: Supports up to eight doors or other access points
- **Reader Support**: Interfaces with OSDP™, Wiegand and keypad reader technologies
- **Input Assignment**: Enables assignment of up to 32 supervised inputs
- **Output Assignment**: Enables assignment of up to 32 form C output relays
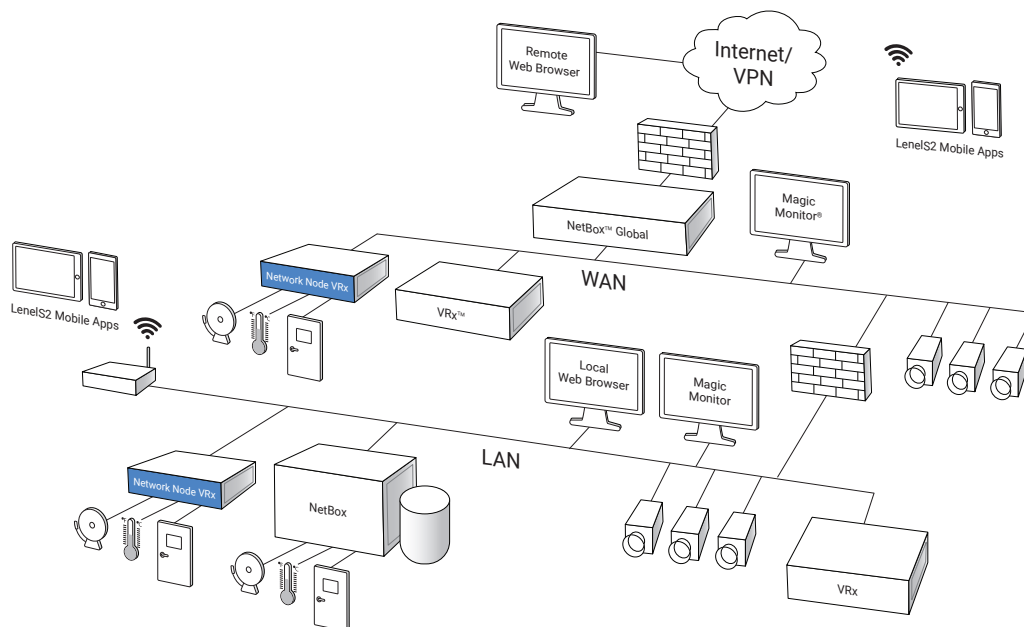- **Temperature Inputs**: Monitors up to 32 temperature inputs

Video Management

- **Cameras**: Supports up to eight IP cameras
- **ONVIF®**: Conforms to Profile T as an ONVIF registered product
- **High-Quality Video**: Supports 4K cameras and H.265 codec
- **Real-Time Surveillance**: Allows for live video tours and on-screen PTZ controls using the Magic Monitor® client
- **Forensic Search**: Locates recorded video of interest with a single click and saves it to the case library
- **Storage**: Includes options for video storage in 2TB and 4TB configurations

System

- **Converged Node**: Handles distributed access control and node-level or aggregated video management
- **Solid State Design**: Extends product lifecycle, lowering total cost of ownership
- **Blade Support**: Houses up to four LenelS2 application blades for access control, inputs, outputs and temperature probes
- **Offline Availability**: Maintains access control and video capabilities even when connectivity to the NetBox controller is lost
- **Intuitive Configuration**: Utilizes embedded web interface for initial setup

Schematic only. Not a network diagram.

Specifications – Network Node VRx

Access Control

Application Blades Capacity / SIOs	4; 1 LenelS2 access control application blade included
Portals	8
Access Levels	512
Supervised Inputs	32
Relay Outputs	32
Temperature Inputs	32
Credential Storage	20,000
Buffered Transactions	27,000

Video Management

IP Camera Streams	Up to 8
IP Camera Resolution	IP camera dependent
IP Camera Frame Rate	IP camera dependent
Compression Type	H.264 or H.265 (camera dependent)

Appliance

Video Storage	2TB or 4TB HDD
Processor	Intel® Atom® N2800
Memory (RAM)	2GB
Operating System	Ubuntu Linux
Ethernet Ports	1
Max Video Throughput (Aggregate Inbound)	90 Mbps
MTBF	319,009

Appliance (continued)

Chassis	Wall mount
Dimensions (H, W, D)	14in x 14in x 8.5in (356mm x 356mm x 216mm)
Weight	10 lbs (4.5 kg) maximum
Operating Temperature	32° – 95° F (0° – 35° C)
Storage Temperature	-4° – 158° F (-20° – 70° C)
Operating Environment	Humidity 85%, Non-condensing 35° C
AC Input	120 – 240 VAC, 50/60 Hz
BTU Maximum	292 per hour
Commissioning	Web configuration utility
Regulatory Approvals	UL, CE, FCC, RoHS
Warranty	2 years, hardware 1 year, software

Client Requirements

Operating System	Any
Browser *	Chrome™, Internet Explorer®, Firefox® and Safari®
Processor	Intel Core™ i3 or higher
Memory (RAM)	4GB
Hard Drive	100GB minimum

Part Numbers

S2-NN-VRX-2TB	IP camera licenses expandable up to 8 IP cameras; 2TB HDD
S2-NN-VRX-4TB	IP camera licenses expandable up to 8 IP cameras; 4TB HDD
S2-VRX-1C	Single camera license

*Refer to the latest Release Notes for browser version compatibility.

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For more information, please visit lenels2.com.

Carrier