



NetBox Virtual Machine

Overview

The powerful, browser-based NetBox[™] Virtual Machine access control and event monitoring system can be installed on user-preferred hardware. The highly scalable system supports a wide range of deployments and enables users to build a system supporting over 7,000 portals and more than 500 LenelS2 Nodes. Optional system partitioning allows the entire database to be separated into multiple smaller systems for entities such as field offices or tenants.

Features such as person record and cardholder management, event and alarm monitoring, threat level escalation and reporting are accessible from any web browser. The NetBox Virtual Machine system works with existing infrastructure and peripheral devices, making it easy to deploy. In addition, the NetBox Virtual Machine system tightly integrates with LenelS2 VRx™ and NetVR™ video management systems, providing unified system management and administration. Integration with third-party video management systems is also supported.

The NetBox Virtual Machine system is ideal for organizations that choose to implement an access control solution on their preferred hardware platform. Distributed organizations can centrally manage multiple NetBox Virtual Machine controllers with a NetBox Global server, allowing for nearly unlimited scalability.



The LenelS2 Magic Monitor® client provides a unified access control and video surveillance experience.

Key Features

Access Control

- Portals: Supports up to 7,168 doors or other access points
- Event and Alarm Monitoring: Includes comprehensive event logging, notification and escalation
- Threat Level Management: Provides configurable system status and response actions such as system lock downs
- Person Record Management: Maintains detailed, credential-driven user records and access history
- Reporting: Offers predefined and custom reports

System

- Custom Access Control Solution: Operates on a user-preferred hardware platform¹
- Web Interface: Delivers browser-based, unified system management and administration
- Video Integration: Works with LenelS2 VRx and NetVR video management systems and third-party video systems
- API Support: Integrates with third-party products such as human resource databases via an open source API
- Automated System Management: Automatically discovers LenelS2 Nodes and handles system backups
- Mobile Apps: Enables mobile security management, mobile credentials and more
- System Partitioning Option: Allows the entire database to be separated into multiple smaller systems



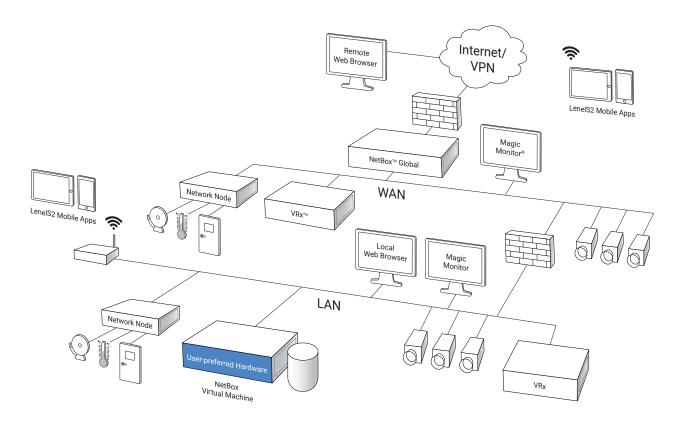
NetBox Virtual Machine - Specifications Portal Capacity: 16 to 64 Portal Capacity: 128 to 7,168

Access Control		Access
Cardholders	40,000	Cardholder
Access Levels	Unlimited	Access Lev
Unique User Roles	16	Unique Use
Simultaneous Users	10	Simultaneo
Time Specifications	512	Time Spec
Portal Capacity	64	Portal Cap
LenelS2 Node Capacity ²	64	LenelS2 No
Maximum Inputs / Outputs	2,000 / 2,000	Maximum
Online Transactions	Up to 40 million records	Online Tran
Client Requirements		Client Re
Operating System	Any	Operating 9
Browser ³	Chrome [™] , Internet Explorer [®] , Firefox [®] and Safari [®] *	Browser ³
Processor	Intel® Core™ i3 or higher	Processor
Memory (RAM)	8GB minimum	Memory (R
Hard Drive	100GB minimum	Hard Drive
Minimum Provisioning Re	quirements	Minimur
Storage Capacity	1TB Virtual Disk	Storage Ca
Processor	8 Virtual CPUs	Processor
Memory (RAM)	32GB	Memory (R
Ethernet Ports	1	Ethernet Po
Server Host	VMWare ESXi v6.5 or later	Server Hos
LenelS2 Hardware	Minimum of 1 MicroNode Plus, Network Node, Network Node VR, Network Node VRx or Mercury IC	LenelS2 Ha
Warranty	1 year, software	Warranty
Integrations ⁴		Integrati
Video Management	VRx, NetVR and other major VMS manufacturers	Video Man
VRx/NetVR Capacity	16	VRx/NetVF
VRx/NetVR Camera Capacity	1,024	VRx/NetVF
Concurrent LenelS2 Client Connections (NetBox, Magic Monitor, Mobile Security Professional®)	10	Concurrent Connection Magic Mor Security Pr
Third-Party VMS Camera Capacity	y 256	Third-Party
Access Control	Allegion, ASSA ABLOY, dormakaba, and Mercury	Access Co
Intrusion	Bosch, DMP, API-Based	Intrusion
Part Numbers		Part Nui
S2-NBVM-16	Includes 16 portal license	S2-NBVM-
S2-NBVM-32	Includes 32 portal license	S2-NR64
S2-NBVM-64	<u> </u>	0_ III.0 T
32-IND V IVI-04	Includes 64 portal license	

Portal licenses expandable in 64 portal increments to 7,168 portals. Refer to price book for additional part numbers.

Access Control	
Cardholders	150,000
Access Levels	Unlimited
Unique User Roles	16
Simultaneous Users	35
Time Specifications	512
Portal Capacity	7,168
LenelS2 Node Capacity ²	512
Maximum Inputs / Outputs	2,000 / 2,000
Online Transactions	Up to 400 million records
Client Requirements	
Operating System	Any
Browser ³	Chrome, Internet Explorer, Firefox and Safari
Processor	Intel Core i3 or higher
Memory (RAM)	8GB minimum
Hard Drive	100GB minimum
Minimum Provisioning Req	uirements
Storage Capacity	1TB Virtual Disk
Processor	8 Virtual CPUs
Memory (RAM)	32GB
Ethernet Ports	1
Server Host	VMWare ESXi v6.5 or later
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VRx/NetVR Capacity	
VRx/NetVR Capacity VRx/NetVR Camera Capacity	VMS manufacturers
	VMS manufacturers
VRx/NetVR Camera Capacity Concurrent LenelS2 Client Connections (NetBox, Magic Monitor, Mobile	VMS manufacturers 128 4,096
VRx/NetVR Camera Capacity Concurrent LenelS2 Client Connections (NetBox, Magic Monitor, Mobile Security Professional)	VMS manufacturers 128 4,096 35
VRx/NetVR Camera Capacity Concurrent LenelS2 Client Connections (NetBox, Magic Monitor, Mobile Security Professional) Third-Party VMS Camera Capacity	VMS manufacturers 128 4,096 35 1,024 Allegion, ASSA ABLOY,
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VRx/NetVR Camera Capacity Concurrent LenelS2 Client Connections (NetBox, Magic Monitor, Mobile Security Professional) Third-Party VMS Camera Capacity Access Control	VMS manufacturers 128 4,096 35 1,024 Allegion, ASSA ABLOY, dormakaba, and Mercury

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Schematic only. Not a network diagram.

- ¹User-preferred hardware must meet minimum provisioning requirements.
- ² Network Node capacity may vary depending on system design.
- ³ Refer to the latest Release Notes for browser version compatibility.
- ⁴ For additional integration information, please contact us.



For more information, please visit lenels2.com.

Specifications subject to change without notice.

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