



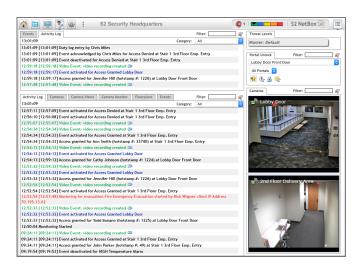
S2 NetBox®

Overview

S2 NetBox is a full-featured, web-based access control and event monitoring system that supports up to 32 portals. Features such as person record and cardholder management, event and alarm monitoring, threat level escalation and reporting are accessible from any web browser. There is no software to install.

A solid-state appliance, S2 NetBox is fast and reliable. The system works with existing infrastructure and peripheral devices, making it easy to deploy. S2 NetBox is flexible and scalable, supporting up to seven application blades and up to 32 S2 Nodes. In addition, S2 NetBox tightly integrates with S2 NetVR® series video management systems, providing unified system management and administration. Integration with third party video management systems is also supported.

S2 NetBox serves a range of applications from small businesses to field offices of large enterprises. As organizations grow, migration to S2 NetBox Extreme is seamless. Large, distributed enterprises can also centrally manage multiple S2 NetBox controllers with S2 Global®.

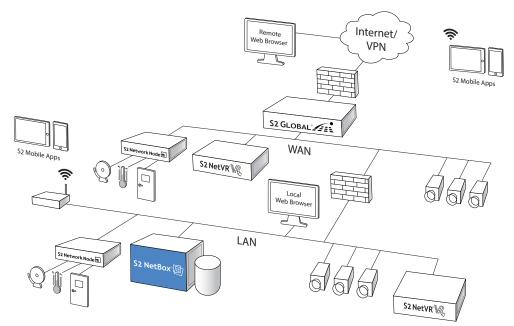


Key Features

Access Control

- Portals: Supports up to 32 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 pre-defined and custom reports

- Web Interface: Delivers browser-based, unified system management and administration
- Solid-State Design: Extends product lifecycle, lowering total cost of ownership
- Blade Support: Houses up to seven S2 application blades for access control, inputs, outputs and temperature probes
- Video Integration: Works with S2 NetVR series video management systems and other 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
 S2 Nodes and handles system backups
- Mobile App: Allows for mobile security management using S2 Mobile Security Officer®



Specifications – S2 NetBox

Schematic only. Not a network diagram.

Access Control	
Cardholders	20,000
Access Levels	Unlimited
Unique User Roles	16
Simultaneous Users	5
Time Specifications	512
Portal Capacity	32
S2 Node Capacity ¹	32
S2 Application Blade Support	7 application blades for access control, inputs, outputs and temperature probes
Maximum Inputs / Outputs	500 / 500
Online Transactions	Up to 10 million records
Client Requirements	
Operating System	Any; for badging use Windows 7
Browser ²	Chrome, Internet Explorer, Firefox and Safari
Processor	Intel Core i3 or higher
Memory (RAM)	4GB
Hard Drive	100GB minimum
Appliance	
Storage Capacity	20GB
Processor	Intel Atom N2800
Memory (RAM)	4GB total
Operating System	Ubuntu Linux
Ethernet Ports	1
MTBF	213,447
Chassis	Wall mount
Dimensions (H, W, D)	17in x 17.5in x 8.25in (43.18cm x 44.45cm x 20.95cm

Appliance (continued)	
Weight	10 lbs (4.54 kg)
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	86 – 264 VAC, 47/440 Hz, 1.5A
BTU Maximum	256 per hour
Regulatory Approvals	UL, CE, FCC, RoHS
Warranty	2 years, hardware; 1 year, software
Integrations ³	
Video Management	S2 NetVR series VMS and other major VMS manufacturers
S2 NetVR Capacity	4
S2 NetVR Camera Capacity	256
Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer)	5
Third Party VMS Camera Capacity	32
Access Control	Allegion, ASSA ABLOY, DMP and Mercury
Part Numbers	
S2-NB4-E2R-WM	Includes 4 portal license and 1 access control application blade supporting 2 readers
Supports up to 7 application blades	s. Portal licenses expandable

¹S2 Network Node capacity may vary depending on system design.

to 32 portals.

For more information, please visit www.s2sys.com.

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 $^{^{\}rm 2}\,\text{Refer}$ to the latest Release Notes for browser version compatibility.

³ For additional integration information, contact sales@s2sys.com.





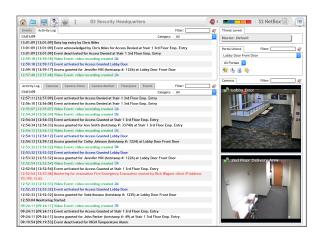
S2 NetBox® Extreme

Overview

S2 NetBox Extreme is a full-featured, web-based access control and event monitoring system that supports up to 128 portals. 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. There is no software to install.

A solid-state appliance, S2 NetBox Extreme is fast and reliable. The system works with existing infrastructure and peripheral devices, making it easy to deploy. S2 NetBox Extreme is flexible and scalable, supporting up to 64 S2 Nodes. In addition, S2 NetBox Extreme tightly integrates with S2 NetVR® series video management systems, providing unified system management and administration. Integration with third party video management systems is also supported.

S2 NetBox Extreme is well suited for mid-scale deployments. As organizations grow, migration to S2 NetBox Enterprise is seamless. Large, distributed enterprises can also centrally manage multiple S2 NetBox Extreme controllers with S2 Global®.

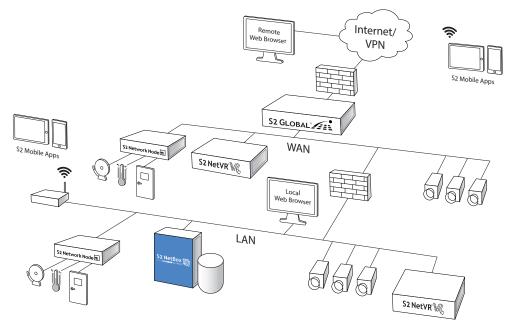


Key Features

Access Control

- Portals: Supports up to 128 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 pre-defined and custom reports

- Web Interface: Delivers browser-based, unified system management and administration
- Solid-State Design: Extends product lifecycle, lowering total cost of ownership
- Video Integration: Works with S2 NetVR series video management systems and other 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
 S2 Nodes and handles system backups
- Mobile App: Allows for mobile security management using S2 Mobile Security Officer®
- System Partitioning Option: Allows the entire database to be separated into multiple smaller systems



Specifications – S2 NetBox Extreme

Schematic only. Not a network diagram.

Access Control	
Cardholders	40,000
Access Levels	Unlimited
Unique User Roles	16
Simultaneous Users	10
Time Specifications	512
Portal Capacity	128
S2 Node Capacity ¹	64
Maximum Inputs / Outputs	2,000 / 2,000
Online Transactions	Up to 40 million records
Client Requirements	
Operating System	Any; for badging use Windows 7
Browser ²	Chrome, Internet Explorer, Firefox and Safari
Processor	Intel Core i3 or higher
Memory (RAM)	8GB minimum
Hard Drive	100GB minimum
Appliance	
Storage Capacity	20GB
Processor	Intel Atom N2800
Memory (RAM)	4GB total
Operating System	Ubuntu Linux
Ethernet Ports	1
MTBF	213,447
Chassis	Wall mount or standard
Cnassis	2U rack mount
Dimensions (H, W, D)	2U rack mount Wall Mount: 13in x 10.5in x 3.57in 33.02cm x 26.67cm x 9.07cm Rack Mount: 3.5in x 17.2in x 11in 8.89cm x 43.69cm x 27.94cm

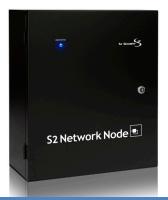
Appliance (continued)	
Operating Temperature	32° – 95°F (0° – 35°C)
Storage Temperature	-4° – 158°F (-20° – 70°C)
Operating Environment	Humidity 85%, non-condensing 35°C
AC Input	86 – 264 VAC, 47/440 Hz, 1.5A
BTU Maximum	256 per hour
Regulatory Approvals	UL, CE, FCC, RoHS
Warranty	2 years, hardware; 1 year, software
Integrations ³	
Video Management	S2 NetVR series VMS and other major VMS manufacturers
S2 NetVR Capacity	16
S2 NetVR Camera Capacity	1,024
Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer)	10
Third Party VMS Camera Capacity	256
Access Control	Allegion, ASSA ABLOY, DMP and Mercury
Part Numbers	
S2-EXT-16-WM	Includes 16 portal license, wall mount
S2-EXT-16-RM	Includes 16 portal license, rack mount
Portal licenses expandable to 128 p	ortals.
S2 Network Node capacity may vary depending on system design.	

²Refer to the latest Release Notes for browser version compatibility. ³For additional integration information, contact sales@s2sys.com.

For more information, please visit www.s2sys.com.

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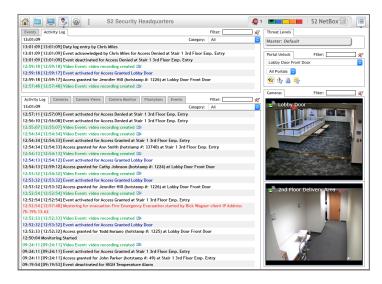
S2 Network Node

Overview

S2 Network Node is an intelligent field panel that handles distributed processing for S2 NetBox® access control and event monitoring systems. Access control and events from connected devices are aggregated to the S2 NetBox web interface for centralized system management.

S2 Network Node supports up to seven modular S2 application blades for access control, inputs, outputs and temperature probes. Any S2 application blades can be combined to fit deployment requirements. Blades are automatically recognized and addressed without jumpers or switches. External devices such as 12VDC card readers can be powered from the S2 access control application blade.

A highly flexible component of any S2 NetBox system, S2 Network Node enables customization and expansion of the system's capabilities.



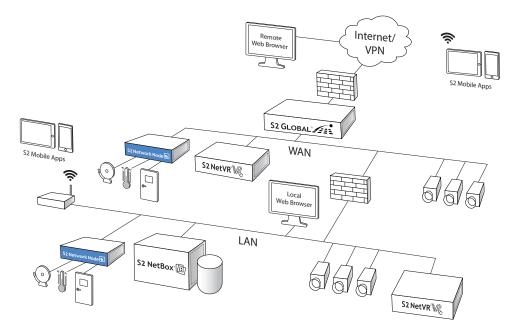
Access control and event monitoring for connected devices are aggregated to the S2 NetBox web interface.

Key Features

Access Control

- Blade Support: Houses up to seven S2 application blades for access control, inputs, outputs and temperature probes
- Portals: Supports up to fourteen doors or other access points
- Reader Support: Interfaces with Wiegand, magnetic stripe and keypad reader technologies
- Input Assignment: Enables assignment of up to 56 supervised inputs
- Output Assignment: Enables assignment of up to 56 form C output relays
- Temperature Inputs: Monitors up to 56 analog temperature points

- S2 System Node: Handles distributed access control and event monitoring
- Solid State Design: Extends product lifecycle, lowering total cost of ownership
- Offline Availability: Maintains access control capabilities even when connectivity to the S2 controller is lost
- Intuitive Configuration: Utilizes embedded web interface for initial setup
- Automatic Discovery: Automatically connects to and authenticates with the S2 controller upon configuration



Schematic only. Not a network diagram.

Specifications – S2 Network Node

Access Control	
S2 NetBox Software	Version 4.1.02 and later
S2 Network Node Blade	M1-3200
Application Blades / SIOs	7
Portals	14
Access Levels	512
Supervised Inputs	56
Relay Outputs	56
Temperature Inputs	56
Credential Storage	150,000
Buffered Transactions	800,000
Client Requirements	
Operating System	Windows 7, 32-bit or 64-bit
Browser	Chrome, Internet Explorer, Firefox and Safari*
Processor	Intel Core i3 or higher
Memory (RAM)	4GB
Hard Drive	100GB minimum
Appliance	
Storage	2GB Flash
Processor	TI AM3352 ARM
Memory (RAM)	512MB SDRAM
Operating System	Linux
Ethernet Ports	1
MTBF	297,000 hrs
Chassis	Wall mount or standard 4U rack mount

Appliance (continued)	
Dimensions (H, W, D)	Wall Mount: 17.0in x 15.0in x 6.75in (43.18cm x 38.1cm x 17.15cm) Rack Mount: 7.0in x 19.0in x 15.0in (17.78cm x 48.26cm x 38.1cm)
Weight	18 lbs (8.6 kg) maximum
Operating Temperature	32° – 95°F (0° – 35°C)
Storage Temperature	-4° – 158°F (-20° – 70°C)
Input Power	100 - 240 VAC, 50/60 Hz, 2.3A
Reader Output Power	12VDC, 250 mA/reader
BTU Maximum	184 per hour
Commissioning	Web configuration utility
Regulatory Approvals	UL, CE, FCC, RoHS
Warranty	2 years, hardware; 1 year, software
Part Numbers	
S2-NN-E-WM	Supports up to 7 S2 application blades, wall mount
S2-NN-E-RM	Supports up to 7 S2 application blades, rack mount
S2-NN-E2R-WM	Includes 1 S2 access control application blade with 6 available expansion slots, wall mount
S2-NN-E2R-RM	Includes 1 S2 access control application blade with 6 available expansion slots, rack mount

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

For more information, please visit www.s2sys.com.

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S2 NetBox® Online

Overview

S2 NetBox Online is a cloud-based access control and event monitoring system that supports up to 64 portals. Features such as person record and cardholder management, event monitoring, threat level escalation and reporting are accessible from any web browser. There is no software to install.

Flexible and scalable, S2 NetBox Online supports up to 32 S2 Nodes installed at a single location or across multiple sites. The system works with existing card readers and requires minimal IT support, making it easy to set up and manage. System information is stored in the cloud at highly secure data centers that comply with regulatory and audit standards.

As a subscription-based service, S2 NetBox Online reduces upfront installation and maintenance costs. Organizations also benefit from high availability of the service.



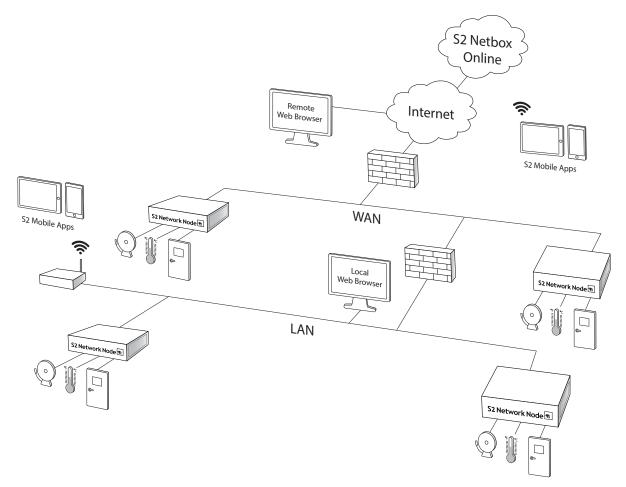
S2 NetBox is web-based, with one-click access to major system functionality.

Key Features

Access Control

- Portals: Supports up to 64 doors or other access points
- Event 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 pre-defined and custom reports

- Cloud-Based Service: Provides S2 NetBox Software-as-a-Service
- Web Interface: Delivers browser-based, unified system management and administration
- Automated System Management: Automatically takes system snapshots as backup
- Mobile App: Allows for mobile security management using \$2 Mobile Security ProfessionalTM



Specifications – S2 NetBox Online

Schematic only. Not a network diagram.

Includes 64 portal license

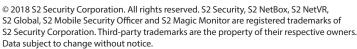
Access Control	
Cardholders	150,000
Access Levels	Unlimited
Unique User Roles	16
Simultaneous Users	5
Time Specifications	512
Portal Capacity	64
S2 Node Capacity ¹	32
Maximum Inputs / Outputs	500 / 500
Online Transactions	Up to 2 million records
Client Requirements	
Operating System	Any
Browser ²	Chrome, Internet Explorer, Firefox and Safari
Processor	Intel Core i3 or higher
Memory (RAM)	4GB
Hard Drive	100GB minimum

Integrations ³	
S2 Nodes	S2 Network Node with M1-3200 blade and S2 MicroNode Plus
Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer)	5
Part Numbers	
S2-NBOL-16	Includes 16 portal license
S2-NBOL-32	Includes 32 portal license

 $^{^{\}rm 1}{\rm S2}$ Network Node capacity may vary depending on system design.

S2-NBOL-64

For more information, please visit s2sys.com.





²Refer to the latest Release Notes for browser version compatibility.

³ For additional integration information, contact sales@s2sys.com.





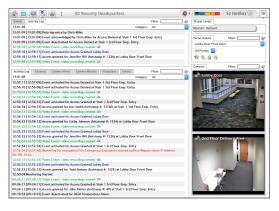
S2 NetBox[®] Virtual Machine

Overview

S2 NetBox Virtual Machine is a powerful, web-based access control and event monitoring system that 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 S2 Nodes. Optional system partitioning allows the entire database to be separated into multiple smaller systems for entities such as field officers 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. S2 NetBox Virtual Machine works with existing infrastructure and peripheral devices, making it easy to deploy. In addition, S2 NetBox Virtual Machine tightly integrates with S2 NetVR® series video management systems, providing unified system management and administration. Integration with third-party video management systems is also supported.

S2 NetBox Virtual Machine is ideal for organizations that choose to implement an access control solution on their preferred hardware platform. Distributed enterprises can manage multiple S2 NetBox Virtual Machine servers with S2 Global®, allowing for nearly unlimited scalability.



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

- 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 S2 NetVR series video management systems and other 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
 S2 Nodes and handles system backups
- Mobile App: Allows for mobile security management using S2 Mobile Security Officer®
- System Partitioning Option: Allows the entire database to be separated into multiple smaller systems

S2 NetBox Virtual Machine - Specifications Portal Capacity: 16 to 64 Portal Capacity: 128 to 7,168

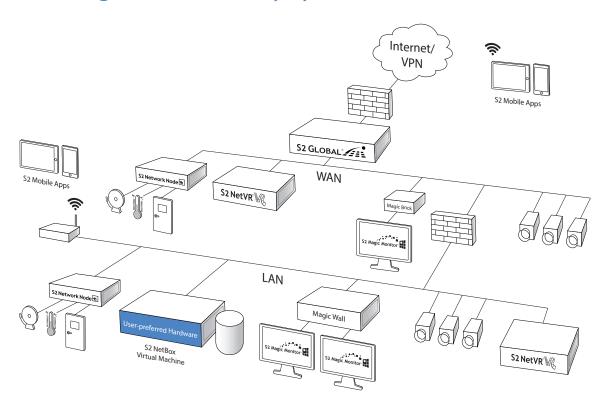
Cardholders40,000Access LevelsUnlimitedUnique User Roles16Simultaneous Users10Time Specifications512Portal Capacity64\$2 Node Capacity²64Maximum Inputs / Outputs2,000 / 2,000Online TransactionsUp to 40 million recordsClient RequirementsChrome, Internet Explorer, Firefox and SafariOperating SystemAnyBrowser³Chrome, Internet Explorer, Firefox and SafariProcessorIntel Core i3 or higherMemory (RAM)8GB minimumHard Drive100GB minimumMinimum Provisioning RequirementsStorage Capacity128GB Pro Series SSDProcessorIntel Xeon Quad CoreMemory (RAM)8GBEthernet Ports1Server HostVMWare ESXi 5.1 or later\$2 HardwareMinimum of 1 S2 MicroNode Plus, S2 Network Node or S2 Network Node VRWarranty1 year, softwareIntegrations³Video Management\$2 NetVR series VMS and other major VMS manufacturers\$2 NetVR Capacity16\$2 NetVR Camera Capacity1,024Concurrent \$2 Client Connections (\$2 NetBox, \$2 Mobile Security Officer)10Third-Party VMS Camera Capacity256Access ControlAllegion, ASSA ABLOY, DMP and MercuryPart Numbers\$2.NBVM-16Includes 16 portal license\$2.NBVM-16Includes 32 portal license	Access Control	
Access Levels Unlimited Unique User Roles 16 Simultaneous Users 10 Time Specifications 512 Portal Capacity 64 S2 Node Capacity² 64 Maximum Inputs / Outputs 2,000 / 2,000 Online Transactions Up to 40 million records Client Requirements Operating System Any Browser³ Chrome, Internet Explorer, Firefox and Safari Processor Intel Core i3 or higher Memory (RAM) 8GB minimum Hard Drive 100GB minimum Minimum Provisioning Requirements Storage Capacity 128GB Pro Series SSD Processor Intel Xeon Quad Core Memory (RAM) 8GB Ethernet Ports 1 Server Host VMWare ESXi 5.1 or later S2 Hardware Minimum of 1 S2 MicroNode Plus, S2 Network Node or S2 Network Node vR Warranty 1 year, software Integrations⁴ Video Management S2 NetVR Series VMS and other major VMS manufacturers S2 NetVR Capacity 1,024 Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer) Third-Party VMS Camera Capacity 256 Access Control Allegion, ASSA ABLOY, DMP and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license Includes 32 portal license		40,000
Unique User Roles 16 Simultaneous Users 10 Time Specifications 512 Portal Capacity 64 S2 Node Capacity² 64 Maximum Inputs / Outputs 2,000 / 2,000 Online Transactions Up to 40 million records Client Requirements Operating System Any Browser³ Chrome, Internet Explorer, Firefox and Safari Processor Intel Core i3 or higher Memory (RAM) 8GB minimum Hard Drive 100GB minimum Minimum Provisioning Requirements Storage Capacity 128GB Pro Series SSD Processor Intel Xeon Quad Core Memory (RAM) 8GB Ethernet Ports 1 Server Host VMWare ESXi 5.1 or later S2 Hardware Minimum of 1 52 MicroNode Plus, 52 Network Node or 52 Network Node or S2 Network Node VR Warranty 1 year, software Integrations⁴ Video Management S2 NetVR series VMS and other major VMS manufacturers S2 NetVR Capacity 1,024 Concurrent S2 Client 10 Connections (S2 NetBox, S2 Magic Monitor®, S2 MetBox, S2 Magic Monitor®, S2 Mobile Security Officer) Third-Party VMS Camera Capacity 256 Access Control Allegion, ASSA ABLOY, DMP and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license S2-NBVM-16 Includes 32 portal license		<u> </u>
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\$2 Node Capacity² Maximum Inputs / Outputs Client Requirements Operating System Browser³ Processor Intel Core i3 or higher Memory (RAM) Hard Drive Minimum Provisioning Requirements Storage Capacity Processor Intel Xeon Quad Core Memory (RAM) 8GB Ethernet Ports 1 Server Host S2 Hardware Minimum of 1 \$2 MicroNode Plus, \$2 NetWork Node or \$2 Network Node VR Warranty I year, software Integrations⁴ Video Management \$2 NetVR Capacity 1,024 Concurrent \$2 Client Connections (\$2 NetBox, \$2 Magic Monitor*, \$2 Mobile Security Officer) Third-Party VMS Camera Capacity Part Numbers \$2-NBVM-16 Includes 16 portal license Includes 32 portal license Includes 32 portal license		
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Client Requirements Operating System Any Browser³ Chrome, Internet Explorer, Firefox and Safari Processor Intel Core i3 or higher Memory (RAM) 8GB minimum Hard Drive 100GB minimum Minimum Provisioning Requirements Storage Capacity 128GB Pro Series SSD Processor Intel Xeon Quad Core Memory (RAM) 8GB Ethernet Ports 1 Server Host VMWare ESXi 5.1 or later S2 Hardware Minimum of 1 52 MicroNode Plus, S2 Network Node or S2 Network Node VR Warranty 1 year, software Integrations⁴ Video Management S2 NetVR series VMS and other major VMS manufacturers S2 NetVR Capacity 16 S2 NetVR Camera Capacity 1,024 Concurrent S2 Client 10 Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer) Third-Party VMS Camera Capacity 256 Access Control Allegion, ASSA ABLOY, DMP and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license S2-NBVM-32 Includes 32 portal license	· · · · · · · · · · · · · · · · · · ·	
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Firefox and Safari Processor Intel Core i3 or higher Memory (RAM) 8GB minimum Mard Drive 100GB minimum Minimum Provisioning Requirements Storage Capacity 128GB Pro Series SSD Processor Intel Xeon Quad Core Memory (RAM) 8GB Ethernet Ports 1 Server Host VMWare ESXi 5.1 or later S2 Hardware Minimum of 1 S2 MicroNode Plus, S2 Network Node or S2 Network Node VR Warranty 1 year, software Integrations4 Video Management S2 NetVR series VMS and other major VMS manufacturers S2 NetVR Capacity 16 S2 NetVR Camera Capacity 1,024 Concurrent S2 Client 10 Connections (S2 NetBox, S2 Mobile Security Officer) Third-Party VMS Camera Capacity 256 Access Control Allegion, ASSA ABLOY, DMP and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license S2-NBVM-32 Includes 32 portal license		
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Plus, S2 Network Node or S2 Network Node VR Warranty Integrations ⁴ Video Management S2 NetVR series VMS and other major VMS manufacturers S2 NetVR Capacity 16 S2 NetVR Camera Capacity 1,024 Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer) Third-Party VMS Camera Capacity Access Control Allegion, ASSA ABLOY, DMP and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license S2-NBVM-32	Server Host	VMWare ESXi 5.1 or later
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Video ManagementS2 NetVR series VMS and other major VMS manufacturersS2 NetVR Capacity16S2 NetVR Camera Capacity1,024Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer)10Third-Party VMS Camera Capacity256Access ControlAllegion, ASSA ABLOY, DMP and MercuryPart NumbersS2-NBVM-16Includes 16 portal licenseS2-NBVM-32Includes 32 portal license	Warranty	1 year, software
S2 NetVR Capacity S2 NetVR Camera Capacity Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer) Third-Party VMS Camera Capacity Access Control Allegion, ASSA ABLOY, DMP and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license S2-NBVM-32 Includes 32 portal license	Integrations⁴	
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S2 NetVR Camera Capacity 1,024 Concurrent S2 Client 10 Connections (S2 NetBox, S2 Magic Monitor®, S2 Mobile Security Officer) Third-Party VMS Camera Capacity 256 Access Control Allegion, ASSA ABLOY, DMP and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license S2-NBVM-32 Includes 32 portal license	S2 NetVR Capacity	16
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and Mercury Part Numbers S2-NBVM-16 Includes 16 portal license S2-NBVM-32 Includes 32 portal license	Third-Party VMS Camera Capacity	256
S2-NBVM-16 Includes 16 portal license S2-NBVM-32 Includes 32 portal license	Access Control	_
S2-NBVM-32 Includes 32 portal license	Part Numbers	
S2-NBVM-32 Includes 32 portal license	S2-NBVM-16	Includes 16 portal license
·	S2-NBVM-32	<u> </u>
	S2-NBVM-64	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
S2 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 Requi	rements
Storage Capacity	128GB Pro Series SSD
Processor	Intel Xeon Quad Core
Memory (RAM)	8GB
Ethernet Ports	1
Server Host	VMWare ESXi 5.1 or later
S2 Hardware	Minimum of 1 S2 MicroNode Plus, S2 Network Node or S2 Network Node VR
Warranty	1 year, software
Integrations⁴	
Video Management	S2 NetVR Series VMS and other major VMS manufacturers
S2 NetVR Capacity	128
S2 NetVR Camera Capacity	4,096
Concurrent S2 Client Connections (S2 NetBox, S2 Magic Monitor, S2 Mobile Security Officer)	35
Third-Party VMS Camera Capacity	1,024
Access Control	Allegion, ASSA ABLOY, DMP and Mercury
Part Numbers	
S2-NBVM-128	Includes 128 portal license

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

Schematic Diagram - S2 Security System



Schematic only. Not a network diagram.

For more information, please visit www.s2sys.com.



 $^{^{\}mbox{\tiny 1}}$ User-preferred hardware must meet minimum provisioning requirements.

²S2 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, contact sales@s2sys.com.





S2 NetBox VR Quatro®

Overview

The S2 NetBox VR Quatro combines the power of the S2 NetBox enterprise-class security management system (SMS) with our S2 NetVR, a powerful and tightly integrated video management system (VMS). Access control, event monitoring, video surveillance, and video forensics are all available through a common web browser interface. Quatro is a true IP network appliance: power, a network drop, and a web browser are all the system requires.

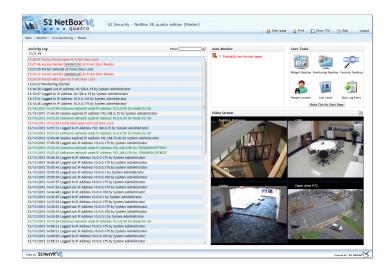
Quatro systems are designed to be convenient and economical to install and maintain. Sites with up to eight recorded cameras and eight full access control points can be handled from a single wall mount enclosure. An internal 4-slot card cage accepts S2's standard application blades, including access control, supervised monitoring, relay output control, and analog temperature monitoring.

Program and system data is stored on a solid-state disk, while video streams to the internal hard disk. Quatro systems are available with 1, 2, or 3TB of replaceable video storage, providing storage typically in the 30-90 day range. Stored video is easily searched using S2's unique Forensic Desktop software.

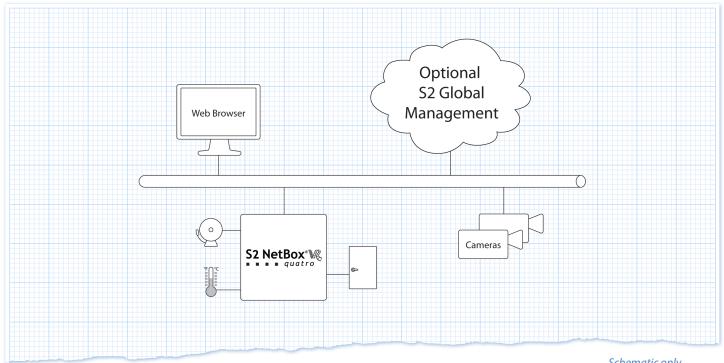
S2 NetBox Quatro is ideal as a stand-alone system or as a member of an S2 Global distributed network where it can be locally or remotely managed. As part of a managed network, S2 Global provides optional initial or backup event monitoring as well as optional central data management and other services such as population management and data backup.

Key Features

- Completely integrated access control and video management system
- Network appliance handles its own administration
- 100% web-based user interface
- Single cabinet design with expansion space for 8 portals
- Supports proven S2 blade hardware
- Widget Desktop support for customized monitoring displays
- Built-in documentation library with web browser access
- Forensic Desktop function locates and exports video evidence
- Forensic case creation with single frame and full video export
- Includes 2-year hardware and 1-year software warranty



The home page automatically displays upon login, giving instant access to commonly used system commands alongside complete status information and video.



Schematic only. Not a network diagram.

Specifications

System

Cardholders 20,000 Online transactions 40,000,000 Available access levels 512 Simultaneous users 2 Readers 8 **Portals** 8 8 Cameras Max inputs/outputs 32/32

Platform

Storage (internal) Up to 3.0TB (JBOD)
Processor Intel Atom N2800

RAM 2.0 GB

OS Ubuntu Linux 10.04 LTS

NIC (10/100/1000)

Certifications/Compliances FCC/CE

Warranty 2 Years (hardware) Dimensions (H, W, D) 13in x 13in x 8.5in Weight 9.7 lbs. (4.4 Kg) Operation Temperature $32^{\circ} - 95^{\circ} \text{ F } (0^{\circ} - 35^{\circ} \text{ C})$ Storage Temperature $-4^{\circ} - 158^{\circ} \text{ F } (-20^{\circ} - 70^{\circ} \text{ C})$ AC Input $100 \sim 240 \text{VAC}$, 1.7A, $50 \sim 60 \text{Hz}$

Part Numbers *

- S2-QUATROVR-1TB-4 S2 NetBox VR Quatro
 (4 portals\2 reader ports) 4 IP cameras, 1 TB storage
- S2-QUATROVR-2TB-4 S2 NetBox VR Quatro
 (4 portals\2 reader ports) 4 IP cameras, 2 TB storage
- S2-QUATROVR-3TB-4 S2 NetBox VR Quatro
 (4 portals\2 reader ports) 4 IP cameras, 3 TB storage
- S2-QUATROVR-R4 Add-on license, 4 Portal
- **S2-QUATROVR-4CAM** Add-on license, 4 IP Camera

Application Option Blades

- S2-ACM Access control application blade: 2 reader ports, 4 inputs, 4 outputs
- **S2-INP** Supervised input application blade: 8 inputs
- **S2-OUTP** Relay output application blade: 8 outputs
- S2-TEMP Temperature Input application blade: 8 inputs
- S2-TEMP-PR Temperature Sensor probe, 1 EA (up to 8 can be used with an S2-TEMP blade)



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^{*}For additional details on product capabilities please see s2sys.com