



S-Series SmartRecorder

A powerful, yet compact Searchable Surveillance Platform for organizations that require superior video management, leading IT features, and the flexibility to adapt to evolving business needs.



Superior Video Management

- Record and view high-quality video with the industry's most advanced compression method: 3VR's H.264 CODEC minimizes bandwidth and storage by 50-90% compared to MJPEG and MPEG-4.
- Monitor and investigate more efficiently and effectively with 3VR's award-winning user interface and search engine: Pull relevant surveillance quickly and display results as easily scanned summaries of intelligently-selected images.
- Store and search through years of high-quality surveillance: 3VR's exceptional SmartStorage technology can increase storage retention by 500% without purchasing additional hard drives.
- Support many types of camera technologies: 3VR supports analog, IP, megapixel, and PTZ cameras. Both hybrid and NVR models available.
- Centrally organize, retrieve, and permanently archive case data: 3VR CaseManager, an integrated application, consolidates cases in a single, central repository enabling easy collaboration across the enterprise.
- Remotely and locally access 3VR: Remote and local versions of user, systems management, and spot monitor applications are available.
- Upgrade with advanced video analytics such as Facial Surveillance and License Plate Recognition (LPR): Video analytics enable faster, more powerful investigations and reduce criminal activities are available as easy software upgrades.
- Deploy additional IP cameras easily: Add standard and megapixel IP cameras (including 3VR's powerful Smart-Cam) beyond the "set" number of cameras without purchasing additional systems.
- Fully integrate with 3rd party software/hardware: With 3VR's open, standards-based API, 3rd party information can be seamlessly integrated with 3VR's UI and functionalities.

Leading System Management and IT Features

- Optimize bandwidth consumption: With features such as bandwidth throttling and scheduling and image-based viewing, 3VR ensures accessibility without disruption to networks.
- Centrally manage systems across an enterprise: Increase administrative efficiencies with central and remote system and user management and over-the-wire upgrades.*
- Centrally monitor health of systems across an enterprise: Reduce downtime and maintenance costs with central and remote health monitoring and troubleshooting of systems, drives, and cameras.*

True Flexibility and Extensibility

- Integrate seamlessly with data systems: Data from external systems (e.g., POS, ATM, intrusion) can be integrated with 3VR so that users can easily find surveillance by data such as transaction number, employee ID, etc...

* Enterprise capabilities available with the Enterprise Appliance.

Features

Basic

Maximum Resolution	Up to 2CIF (2CIF option not available on 16 channel models)
Video Codec	H.264 (MPEG4 Part 10)
Maximum Images per Second (NTSC/PAL)	30fs/ch at CIF or 10fps/ch at 2CIF (2CIF option not available on 16 channel models)
Converged IP/Analog	Yes, available
Video Inputs	4/8/16 (HDVR models) or 8 (NVR model)
Dome Control	Yes
Storage Capacity	250GB - 2TB
Watermarking	Yes, SHA-1
Motion Detection	Yes
Multi-Screen Playback	Yes
SpotMonitor	Yes
Saved Searches	Yes
One-Click Image Export	Yes (PC, Email, USB), CD-RW Optional
One-Click Image and Video Export	Yes (PC, Email, USB), CD-RW Optional
Standalone Video Player Available	Yes
Instant alert notification:	
Remote	Yes
Email	Yes
Support for Remote SpotMonitor and User Applications	Yes

Systems and Network Management

Flash Boot	Yes
Bandwidth Throttle	Yes
Bandwidth Scheduling	Yes
Adaptive Bandwidth Use	Yes, image-only transmission
Remote System Configuration & Management and Health Monitoring	Yes
Enterprise Configuration & Management	Yes, optional with Enterprise Appliance
Enterprise Health Monitoring & Alerts	Yes, optional with Enterprise Appliance

Advanced

IP Camera Expansion	Yes, optional with channel expansion license: IP non-megapixel cameras, third-party megapixel cameras, and 3VR SmartCams*
Long-term Event Storage ("SmartStorage")	Yes
Image-based Summary of Real-time Events	Yes, up to last hour
Motion-based Indexing and Searching	Yes
Image-based Search Results	Yes
Enterprise Searching	Yes, optional with Enterprise Appliance
Integrated and Central Case Management	Yes
Enterprise Case Management	Yes, optional with Enterprise Appliance
Motion Zone Alerting	Yes
Motion-Based Alerting	Yes
Share Alerts Across the Enterprise	Yes
Alert Quality & Sensitivity Setting	Yes

Advanced Video Analytics

Facial Surveillance, License Plate Recognition (LPR), Advanced Motion, etc...	Yes, optional with optional Advanced Analytic Upgrade, max. of 4 channels or 2 channels with Local OpCenter running*
Advanced Analytic-based Searching, Alerting, and Monitoring	Yes

Third-Party Integration

Transaction, POS, Alarm, Access and More	Yes, supported. Consult price guide for more information.
Data integration-based Searching, Monitoring, and Alerting	Yes
Alarm Inputs	Yes, built-in, dry contacts: 4 inputs/4 outputs
Software Development Kit (SDK) with standards-based API	Yes, available

Specifications

Drive Type	SATA
Exporting	PC, Email, or USB; CD-RW optional
Video Standard	NTSC/PAL/IP
Type of Cameras Supported	Analog, IP, MP, and PTZ cameras supported. Visit www.3vr.com/Support/FAQ/Cameras
Dual Play Output	1 x SVGA & 1 x BNC (Spot Monitor)
Network	1 x 1 Gb Ethernet port (hybrid models) or 2 x 1 Gb Ethernet port (NVR models)
USB	4
Serial Port	1 x DB-9 — RS-232 1 x RJ-45 — RS-232/422/485
Serial Port Expansion via USB	Yes, optional with serial to USB connector, up to 4 RS-232/422/485 ports
Visual Indicators	Power, disk activity
Physical	Wall Mountable
Dimension (HxWxD)	2.5" x 12" x 11" (64 x 305 x 280 mm)
Unit Weight	8 lbs
Shipping Weight	10 lbs

Environmental

Operating Temperature	5° to 49°C (41° to 115°F)
Heat Dissipation	400 BTU/ hr max, under 200 BTU/ hr under normal operation
Humidity	5% to 95% RH (noncondensing)
Storage Conditions	-10° to 60°C (14° to 140°F)

Electrical

Power	100-240 VAC; 60/50 Hz, 3.0/1.5 A Consumption 120 W (max.)
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Ordering Info

The S-Series SmartRecorders follow the SKU nomenclature below and offered in the following channel/storage configurations. For example, to order an S-Series NVR with 500GB of storage, you would use SRS-N30-500. Consult 3VR's price guides for more information.

SRS- XX 30- XXXX		Channels	Storage
Number of Channels	Storage (GB)	N (8 IP Only, NVR)/ 04/08/16	0250/0500/2000

* For details of supported combinations of Advanced Video Analytics, IP and Megapixel cameras, and 3VR applications, please consult the 3VR Upgrade and Expansion Guide in the Partner Portal: <http://partners.3vr.com/Resources/UpgradesandExpansion>