



P-Series SmartRecorder

3VR's powerful, versatile, and reliable SmartRecorder™. Featuring industry leading video technology, advanced analytics, and unmatched enterprise management and integration capabilities.



Powerful Video Management

- Record and view up to 4CIF at 30FPS on analog channels with the industry's leading compression method: 3VR's H.264 CODEC minimizes bandwidth and storage by 50-90% compared to MJPEG and MPEG-4.
- Employ embedded video analytics on more cameras with the P-series: The P-series is a powerful SmartRecorder analytic platform, with support of up to 16 channels of 3VR SmartAnalytics.*
- Store and search through years of high-quality key data: 3VR's exceptional SmartStorage technology increases storage retention up to 500% without additional hard drives.
- Support more megapixel cameras with the P-Series: Deploy up to ten megapixel cameras on 3VR's robust SmartRecorder.*
- Centrally organize, retrieve, and permanently archive surveillance: 3VR CaseManager consolidates cases in a central repository enabling easy collaboration across the enterprise.
- 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.
- Fully integrate with 3rd party software/hardware: With 3VR's open, standards-based API, 3rd party information such as analytics can be seamlessly integrated with 3VR's UI and functionalities.
- Support many types of camera technologies: 3VR supports analog, IP, megapixel, and PTZ cameras. 3VR also provides features such as remote configuration and management, auto-discovery, and dual/multi-streaming, simplifying the transition to IP. Both hybrid and NVR models available.
- Deploy additional IP cameras easily: Add standard and megapixel IP cameras beyond the "set" number of cameras without purchasing additional systems.*

Enterprise Performance

Versatility

- Integrate seamlessly with data systems: Information from external systems (e.g., POS, ATM, intrusion) can be easily integrated with 3VR so that users can quickly find video by transaction number, employee ID, exceptions, etc...
- Use advanced video analytics for the entire organization: Analytics can be used by operations and security to reduce criminal activities as well as by marketing and sales to track store and advertising traffic metrics.
- 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.**

* For details on the included and the supported combinations of 3VR SmartAnalytics, IP and analog cameras, and 3VR applications, consult the 3VR Commercial Product Guide in the Partner Portal: <http://partners.3vr.com/>. Contact your 3VR Sales Representative with any questions.

** Enterprise capabilities available with the Enterprise Appliance

Features

Basic

Maximum Resolution	Up to 4CIF (NTSC/PAL), multi-megapixel (IP)
Video Codec	H.264 (MPEG4 Part 10)
Maximum Images per Second (NTSC/PAL)	30fps/ch at 4CIF
Converged IP/Analog	Yes, available
Video Inputs	Hybrid models: Max. 32 Total Camera Capacity (Max. 16/32 Analog or 32 IP)* NVR models: Max of 32 IP*
Dome Control	Yes
Storage Capacity	500GB – 4TB, RAID
Watermarking	Yes, SHA-1
Motion Detection	Yes
Multi-Screen Playback	Yes
SpotMonitor	Yes
Saved Searches	Yes
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, included with Remote Client Starter Pack

Systems and Network Management

Bandwidth Throttle	Yes
Bandwidth Scheduling	Yes
Adaptive Bandwidth Use	Yes, image-only transmission
Remote System Configuration & Management and Health Monitoring	Yes, included with Remote Client Starter Pack
Enterprise Configuration, Management, Health Monitoring and Health Alerting	Yes, supported with the Enterprise Appliance
UPS Support	Yes, APC Smart UPS model

Advanced

IP Camera Expansion	Yes, supports up to 32 cameras. Note that different types of IP cameras such as H.264, MPEG-4, and megapixel require different system resources*
Long-term Event Storage	Yes, SmartStorage
Event-based Monitoring	Yes
Motion-based Indexing and Searching	Yes
Image-based Search Results	Yes
Integrated Case Management	Yes
Enterprise Case Management	Yes, supported with the Enterprise Appliance
Motion Zone Alerting	Yes
Motion-Based Alerting	Yes
Share Alerts Across the Enterprise	Yes
Alert Quality & Sensitivity Setting	Yes

3VR SmartAnalytics

Facial Surveillance, License Plate Recognition (LPR), Advanced Object, etc.	Supports up to 16 channels of 3VR SmartAnalytics*
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Third-Party Integration

Third-party Data Integration (e.g. ATM, POS, Access, etc.)	Yes, optional
Third-party Analytic Integration	Yes, optional
Alarm Inputs / Outputs	Yes, 4 dry contacts or 4 relay out
Software Development Kit (SDK) with standards-based API	Yes, optional

Specifications

Drive Type	SATA
RAID	Yes
Front Accessible	Yes, hot swappable RAID drives
Hot Spare	Yes, optional. Auto rebuild to pre-loaded hot spare
Exporting	PC, Email, or USB; CD-RW optional
Video Standard	NTSC/PAL/IP
Type of Cameras Supported	Analog, IP, MP, and PTZ cameras supported. See www.3VR.com/Support/FAQ/Cameras
Dual Play Output	1 x SVGA & 1 x BNC or DVI
Network	2 x 1 Gb Ethernet port
USB	6
Serial Port	2 RS-232 & 1 RS-422 (configurable to RS-232/485)
Serial Port Expansion	Yes, up to 8 RS-232/422/485 ports via USB
Visual Indicators	Power, disk activity, health monitoring

Physical

Dimension (HxWxD)	3.5" (2U) x 17" x 19" (89 x 432 x 483mm)
Mounting	Yes, includes rack mount ears. Optional rack rails or wall mounting brackets available
Unit Weight	35 lbs (approx)
Shipping Weight	40 lbs (approx)

Environmental

Operating Temperature	41° to 95°F (5° to 35°C)
Heat Dissipation	1200 BTU per hour
Humidity	5% to 95% RH (noncondensing)
Storage Conditions	-10° to 60°C (14° to 140°F)

Electrical

Power	100-240VAC, 7-3.5A, 60/50 Hz, Consumption 350 W (max)
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Ordering Info

The P-Series SmartRecorders follow the SKU nomenclature below and offered in the following channel/storage configurations. For example, to order an P-Series NVR with 1000GB of storage, you would use SRP-N080-1000. Consult 3VR's price guide for more information

SRP-XX80-XXXX	
Number of Channels	Storage
Storage (GB)	
N (IP Only, NVR)/ 16/24/32	0500/1000/2000/ 4000

