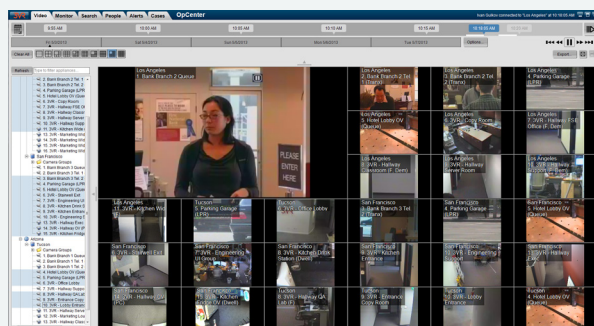


PRODUCT SPECIFICATION

3VR 4000-SERIES



3VR's 4000-series of hybrid network video recorders (NVR/HVR) are a powerful and versatile workhorse solution for medium-sized installations using analog or IP cameras – or both. If high reliability is a concern, the 4000-series is available in RAID as well as non-RAID configurations using enterprise-class hard drives with a 3-year warranty on hardware included.

Pre-loaded with VisionPoint™ VMS video management software, the rack-mountable 4000-series offers seamless integration with POS, Access Control, ATM, Teller, and other external systems. When combined with 3VR's award-winning analytics, the backbone of 3VR's powerful forensic search capabilities, the 4000-series becomes an even more powerful solution providing business intelligence and the ability to find suspects and evidence fast. Whether using as a standalone NVR or hybrid NVR or with 3VR's Enterprise Server, the 4000-series is versatile, powerful, and reliable. Designed to fit your security and analytics needs.

FLEXIBLE HYBRID SOLUTION

- Hybrid models incorporate 16 or 32 analog camera licenses with 8 IP licenses included. NVR models include 8 IP licenses.¹
- Expand system capacity on all models by adding more IP licenses. Up to a total of 52 IP licenses are supported.
- Mix and match analog, IP, megapixel, and PTZ cameras for maximum flexibility.
- High-quality audio and video storage using MPEG-4 or H.264 compression.
- Storage options include 1, 2, 4 or 6TB RAID and 1, 2, 4, 6, 8 or 12TB non-RAID configurations in a stylish 2U rackmount chassis.
- Field Upgradeable Storage allows flexibility when security needs grow.

ENTERPRISE PERFORMANCE

- Use as part of a large enterprise system, or as a standalone NVR. Enterprise server optional.

SEAMLESS INTEGRATION

- Integrates with POS, Access Control, ATM, Teller & other external systems. Custom integration available.
- Most major camera manufacturers connect to 3VR systems. See www.3vr.com for details.

HIGH RELIABILITY

- Real-time health monitoring of cameras, recording, network and hardware.
- Enterprise-class HDDs for reliability.
- 3-year warranty on hardware.

VIDEO MANAGEMENT

- VisionPoint™ VMS video management software included, featuring 3VR's award-winning interface.
- Case Management, Forensic Search, Live Monitoring, and much more. See VisionPoint™ VMS data sheet.²

¹ For details on the supported combinations of 3VR analytics, IP and analog cameras, and 3VR applications, consult the Solutions Overview Guide at <http://www.3vr.com/nvrs>. Contact your 3VR Sales Representative with any questions.

² For information about VisionPoint™ VMS video management software is included with every 3VR appliance, please visit <http://www.3vr.com/products/video-managementsoftware-vms>

3VR 4000-SERIES

Specifications

ANALOG CAMERA SUPPORT (HYBRID MODELS)

Analog Recording Resolutions	NTSC: 704x480, 320x240; PAL: 704x576, 352x288
Video Encoding	H.264 (MPEG4 Part 10)
Maximum Images per Second (NTSC/PAL)	30ips/ch @ 4CIF (480/960ips total)
Analog Camera Inputs	16 or 32 inputs
Analog PTZ Control	Pelco-D, Manchester (AD) & Panasonic protocols

IP CAMERA SUPPORT (NVR & HYBRID MODELS)

IP/MP Cameras Supported	Yes ⁴
Maximum Resolution	10+ megapixels
Number of IP Cameras Supported	52 VGA, 36 1.3MP (Less if analytics are used)
Video Codec Support	H.264/MPEG-4/MJPEG
Maximum Images per Second	30ips/ch
Hybrid IP Camera Licenses	8 IP licenses included
IP PTZ Support	Yes ⁴

AUDIO

Analog Audio Inputs	Equal to analog video inputs
Analog Audio Codec	G.711, 8bit/8kHz, 64kbit/s, unidirectional
IP Camera Audio Support	Yes ⁴
IP Supported Codecs	AAC, G.711

SYSTEMS AND NETWORK MANAGEMENT

Bandwidth Throttling	Yes
Bandwidth Scheduling	Yes
Adaptive Bandwidth Use	Yes, image-only transmission
Remote Connection	TCP/IP (IPv4)
Simultaneous Remote Connections	Unlimited
Remote System Configuration & Management and Health Monitoring	Yes
Enterprise Configuration, Management, Health Monitoring and Health Alerting	Optional with Enterprise Appliance or VisionPoint™ Enterprise Server.
UPS Support	Yes, APC Smart UPS model

SOFTWARE

Video Management	VisionPoint™ VMS ²
Software Version	Supports software version 7.03 (limited SKUs), 7.2 and above

THIRD-PARTY INTEGRATION

Third-party Data Integration (e.g. ATM, POS, Access Control, etc.)	Yes ⁴
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STORAGE

Storage Capacity	RAID-1: 1, 2, 4 or 6TB models JBOD: 1, 2, 4, 6, 8 or 12TB models
Drive Type	SATA
RAID	RAID-1 or JBOD
Hot Swappable Drives	Yes
Drive Bays	2

INPUTS AND OUTPUTS

Type of Camera Inputs	Analog, IP, MP, and PTZ cameras supported. ⁴
Monitor Output	1 x DE-15 (VGA) and 1 x HDMI
Display Resolution	Up to 1600 x 1200
SpotMonitor	1 X DVI or 1 x HDMI or 1 BNC via optional adapter
Network (NIC)	2 x 1Gb Ethernet port (4 x 1Gb optional)
USB	2 front/4 back (USB 2.0)
Alarm Inputs / Outputs	4 dry contacts or 4 relay out, expandable up to 12 in/12out. N.O., N.C., supervised or nonsupervised, 0.5 A @ 120VAC ⁵
Serial Port	2x (RS-232)
DVD-RW	Optional USB Drive
Keyboard and Mouse	Included

PHYSICAL

Dimension (HxWxD)	3.44" x 16.9" x 12" (87mm x 429mm x 305mm)
Rack Units	2 RUs, 19" rack-mountable
Mounting	Rack ears included. Optional rack rails or wall-mounting brackets available
Unit Weight	14 lbs. (6.4 kg)
Shipping Weight	17 lbs. (7.7 kg)

ENVIRONMENTAL AND WARRANTY

Operating Temperature	32° ~ 104° F (0° ~ 40° C)
Heat Dissipation	850 BTU/h max (based on 250W PSU)
Humidity	5% to 95% RH (noncondensing)
Storage Conditions	14° to 140°F (-10° to 60° C)
Hardware Warranty	3 years

ELECTRICAL

Power	100-240VAC, 50-60Hz, 250 watts, 5A
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Part Numbering:

H	V	R	-	4	0	3	2	-	0	0	2	T	1
NVR or HVR				Model Number 4000=40		Number of Channels			HDD Storage 002T=2TB 016T=16TB 500G=500GB		RAID or JBOD 1=RAID 0=JBOD		

¹ For details on the supported combinations of 3VR analytics, IP cameras, and 3VR applications, consult the Solutions Overview Guide in the Partner Portal: <http://partners.3vr.com/>. Contact your 3VR Sales Representative with any questions

² For information about 3VR's VisionPoint™ VMS video management software that is included with every 4000-Series appliance, visit <http://www.3vr.com/products/videomanagementsoftware-vms>

³ For more information on 3VR analytics, visit <http://www.3vr.com/products/videomanagementsoftware-vms>

⁴ For a list of supported cameras and technology partners, visit <http://www.3vr.com/partners/technologypartners>

⁵ For information on optional Alarm inputs, visit <http://www.3vr.com/sites/default/files/archive/files/adaminputintegration.pdf>