

Horizon

by dvtel



Horizon 6.4 2U Rack-Mount NVR Raid Server

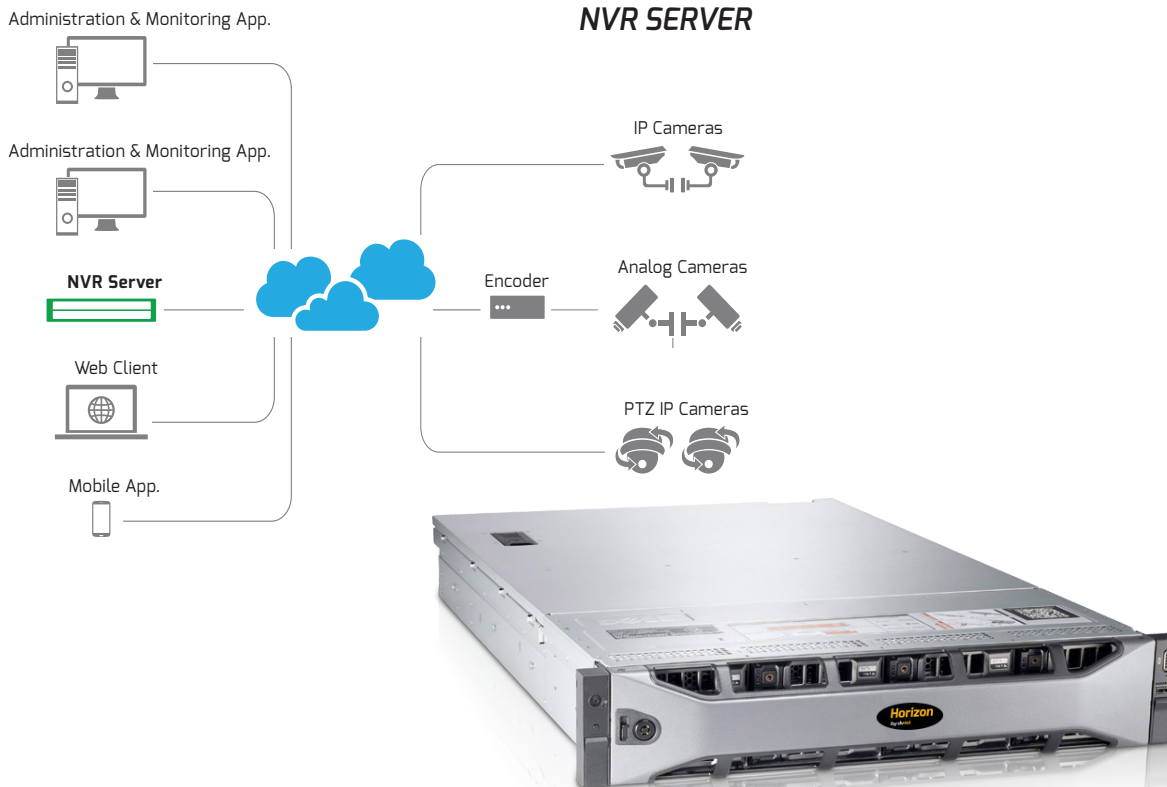
Installing a video security system has never been easier!

The Horizon NVR Raid Server is a reliable, easy-to-deploy network video recorder that is powerful and cost-effective for installations requiring up to 100 cameras. This open-standard NVR is the ideal solution to provide video security for your site. Its advanced feature set allows you to easily view, record and playback high-quality video and audio.

The Horizon NVR delivers the same reliability and quality as DVTEL's powerful and feature-rich Latitude Video Management System. Deploying and maintaining a security system has never been easier, thanks to Horizon's friendly administration setup and operator interface.

What's new in Horizon 6.4?

- Horizon is now part of DVTEL's United VMS platform, including Latitude, Horizon and Meridian. You can now easily monitor all your systems real-time, concurrently, remotely or locally over any type of network.
- Easily and proactively monitor all your Horizon systems with DVTEL Cloud Services.
- Integrates the latest edge device models from DVTEL and third-party vendors.
- Support third-party fisheye (360°) cameras.
- Adaptive Streaming optimizes your display resolution and bit-rate for each viewing tile and is the cornerstone of DVTEL 4K Certified Solutions.



Key Features:

- Pre-loaded with Horizon management software
- Feature-rich, easy to use
- Quick and easy to deploy
- Operates seamlessly with a wide range of third-party edge devices
- ONVIF Profile S-conformant
- Ability to monitor several Horizon systems from a single Control Center
- Raid 5 Hard drive configuration

dvtel Now you can.

VIDEO INNOVATION TO SECURE YOUR BUSINESS

Overview

- Auto discovery of IP cameras and encoders
- Feature-rich Control Center client application
- Supports third-party cameras and ONVIF Profile S-conformant edge devices
- Supports monitoring from web client
- Automatic software updates of client applications
- Mobile viewing applications supported over iPhone, iPad and Android mobile devices
- Integrates with Access Control Systems

Recording

- Supports up to 100 camera channels and maximum 200Mbps recording throughput
- Records video or video linked with audio
- Supports H.264, MPEG-4, and MJPEG video compression formats
- Manual, schedule, alarm, motion detection and event-based recording triggers
- Recording lifespan can be set per camera and by recording trigger type

Search & Export

- Creates bookmark to mark a time of interest
- Applies Smart Search criteria to locate video for evidence
- Video and audio can be exported to DVTEL's proprietary file format or AVI file using industry-standard codecs, with or without audio
- Exported files have digital signature for evidence management
- Clips can be exported to a file or directly burned to DVD

Playback from archive

- Instant replay of any camera displayed over tile in ControlCenter
- Synchronized playback of multiple concurrent video sources or video and audio sources
- Controls playback speed and frame-by-frame playback
- Locks clips to be kept indefinitely
- Timeline colors indicate recording trigger – Schedule, manual, alarm, event

Remote connectivity

- One ControlCenter can monitor multiple Horizon systems concurrently
- Remote connection to Horizon over Wide Area Network
- User-definable video downscaling when transmitting video over Wide Area Network

User management

- Configures users, user groups and their camera access rights and privileges
- Authenticates user login

Alarm management

- Pre- and post-alarm recordings
- User-defined alarms can display live and playback video
- Sends alarms to a specific user, group, or multiple recipients
- Accepts, snoozes, forwards or clears alarms
- Email notifications upon alarm or any other configured event

Event logging and reporting

- Automatic execution of actions in response to events
- Events in the system are audited and updated in the database
- Reports can be viewed, exported to file, printed and sent via email
- Supports tamper events of video quality detection for ONVIF Profile S (for tamper event capable cameras)

Monitoring

- Supports Guard Tours (layout tours) and camera sequences
- Interactive HTML map support with links and command operations
- CCTV keyboard support, connected either to workstation or encoder
- PTZ control including digital zoom control for clear identification

¹ RAID controller supports RAID configurations: 0, 1, 1+0, 5, 6

² N+1 where N=1 (Optional: additional hot swappable power supply can be ordered as spare unit)

Technical Specifications

Processor	Intel® Xeon® E5-2620 @ 2.0GHz, 7.2QPI
Memory	8GB
Storage	16TB, 20TB, 24TB, 28TB or 32TB (usable after Raid 5) ; Near-line SAS, hot-swappable, RAID 5 ¹ Up to 192TB DAS Expansion Option
Network Interface	On-board Quad Gigabit Ethernet RJ45 Port
Operating System	Microsoft® Windows® 2008 R2 SP1 standard embedded

Mechanical and Environmental Specifications

Form Factor	2U
Power Supply	Dual, Hot-plug, Redundant Power Supply ² , 495W
Dimensions	87.3 x 440 x 684 mm 3.4 x 17.3 x 26.9 in (H x W x D)
Weight	Max: 32.5 Kg (71.51 lbs)

Client Workstation Requirements

	Minimum	Recommended
Operating System	Windows 7 Professional (32-bit)	Windows 7 Professional (64-bit) or Windows 8 (64-bit)
CPU	Dual Core, 2.0GHz	Intel Xeon E5-1620 or higher
Memory	2GB	2x2GB, 1600MHz, DDR3
Hard drive	SATA 5400 RPM 80GB reserved for OS	SATA 7200 RPM 80GB reserved for OS
Network Interface	100Mbps	1Gbps
Video card	PCI Express with 256MB RAM and DirectX support Minimum resolution: 1280x1024	512MB NVIDIA Quadro NVS 300 (2 DVI ports)

Ordering Information

Part Number	Description
HRZ-NVRENT-16	Horizon 2U NVR RAID Server Including 16 video channel, 10 user and five mobile connection Licenses. Includes 20TB raw (15.85TB usable) RAID-5 configured internal storage.
HRZ-NVRENT-20	Horizon 2U NVR RAID Server Including 16 video channel, 10 user and five mobile connection Licenses. Includes 24TB raw (19.85TB usable) RAID-5 configured internal storage.
HRZ-NVRENT-24	Horizon 2U NVR RAID Server Including 16 video channel, 10 user and five mobile connection Licenses. Includes 28TB raw (23.85TB usable) RAID-5 configured internal storage.
HRZ-NVRENT-28	Horizon 2U NVR RAID Server Including 16 video channel, 10 user and five mobile connection Licenses. Includes 32TB raw (27.85TB usable) RAID-5 configured internal storage.
HRZ-NVRENT-32	Horizon 2U NVR RAID Server Including 16 video channel, 10 user and five mobile connection Licenses. Includes 36TB raw (31.85TB usable) RAID-5 configured internal storage.

Up to 100 channels can be supported with the purchase of additional camera channels.

Warranty

Hardware	Three-year ProSupport and Next Business Day On-Site Service from Dell, Inc.
Software	One year SSA includes software updates

Specification sheet is subject to change without notice.