



VT500 Series Video Transcoders

Video Transcode Server for Body Worn Camera Solution

The VS500 Series Video Transcoders are part of a video management solution for body worn cameras which use the SoleraTec™ Phoenix Digital Evidence Management (DEM) software. These systems interface with the camera docking stations and act as the download platform to offload camera video. The transcode server processes the video for storage by creating a lower resolution version of the original video. This low resolution video is used to speed up searches within the DEM software. Once the transcoding is complete both the high resolution original video and the lower resolution files are sent to a VM500 Series Media Server over the department's existing LAN for long term storage. The VT500 series video transcoders are architected to reduce data transfer bottle necks, provide system redundancies when needed and have separate Operating System and data storage drives for improved overall performance. The CPU, system memory and storage are all scalable to meet any solution configuration requirements. These desktop video stations include a Windows Operating System, offer hot swappable drive bays to facilitate ease of service and are available with an on-site service contract

The video transcode systems are designed to support multiple docking stations with each docking station capable of supporting up to eight cameras each. Docking stations are attached to the VT500 systems via the internal LAN.

Applications and Features

Applications:

- Body Worn Camera Video Transcode

Features:

- Rack Mount Chasses
- Intel® E3 Xeon technology
- Expandable system memory
- Microsoft Windows® Operating System
- Various user defined hard drive densities and configuration
- Separate OS and storage drives in hot swap drive bays
- GPU Transcode acceleration



Common Configuration:

- **VS510:** 3.8 GHz Xeon processor, 64 GB RAM, 2 LAN Ports, Windows 10, DVD R/W



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Specifications:

SUPPLIED ACCESSORIES

Power Cable	2 USA Standard 117VAC, 3 prongs, 6ft
Keyboard	1 Basic Keyboard PS/2, Microsoft
Mouse	1 USB/PS2, Scroll Wheel, 3 Button, Microsoft
OS Restore	1 Microsoft OS CD
Rail Kit	

SYSTEM

Processor(s)	Intel [®] E3 Quad Core Xeon
Internal Memory	64 GB DDR4 RAM 2400 MHz
Operating System	Windows 10 Professional 64-Bit
Operating System Storage	500GB (RAID 1)
Video Archive Capacity	6000 GB (RAID 1)
Network Interface	1 Gigabit Ethernet RJ-45 (1000BaseT)
Auxiliary Interfaces	USB 2.0 Ports
Operating System Storage	250 GB SATA with RAID 1 Option
Video Archive Capacity	Up to 160 TB SATA III
Maintenance	On-site Next Business Day Available
Maintenance Upgrade	4 Hour response 24x7 years (Option)

VIDEO

Camera Resolution Support	QCIF to mega-pixel based camera spec
Display	1, 2, 4 or 8 monitor outputs available

ENVIRONMENTAL

Operating	10° to 35° C (50° to 95° F), 8% to 90% (non-condensing)
Storage	-40° to 70° C (-40° to 158° F), 5 to 95% (non-condensing)

PHYSICAL

CASE M

Form Factor	2U Rack Mount with 4 Hot Swappable Storage Bays
Power Supply	550 watt Redundant
Cooling	4 x 80mm (front)
Dimensions	(HxWxD) 3.5 x 16.8 x 25.6 in. (89 x 426 x 650 mm)
Unit Weight (gross)	Approximately 60 lbs (27.3 kg.)



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VNS Platform Series

Form Factor

No. Monitors

Storage

RAID Status

Operating System

Part Numbering:

VNS VT Part numbers are 14 characters.

Platform:

VT510: Transocder

Form Factor:

M: 2U Rack Mount w/ 6Hot Swap Drives & Redundant PS

Number of Monitors: 1, 2, 4, or 8

OS Drive Density: 02 = 250 GB, 05 = 500 GB, 10 = 1000 GB and 20 = 2000 GB

RAID Status:

- R: RAID 5
- S: No RAID
- T: RAID 0
- Y: RAID 6

Operating System:

- K: Windows 2012 Server
- L: Windows 2012 Server with a RAID 1 OS Drive
- X: Windows 10 Professional
- V: Windows 10 Professional with a RAID 1 OS Drive

Example:

VT510M-10560ZV: Video Transcoder in a rack mount case with redundant power supply, support for one monitor, 6TB of raw video storage (2 x 6000 GB hard drives) configured as RAID 1 Array with Windows 10 Pro OS on a RAID 1 Array.

*VGA VGA/sec processing dependent on video surveillance management software package
Specifications subject to change without notice

Not all cases are supported on all platforms

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