

**104-VMS16-NX**

**NESS VMS16 with NX VMS**

**104-VMS16-SP**

**Ness VMS16 with SPECTRUM VMS**



## Ness VMS16 Server

Available with either NX WITNESS or DW SPECTRUM VMS loaded, Ness VMS16 servers are a professional IP video surveillance platform with powerful features.

A combination of high performance CPU processing, encoding and decoding, as well as flexible storage capabilities allows NX WITNESS or SPECTRUM to operate at maximum efficiency for superior VMS surveillance management.

- Linux operating system
- Compatible with NX Witness & Spectrum VMS
- 2 HDMI outputs at up to 4K resolution
- Includes 1 x EMMC drive for the OS
- Supports up to 2 x HDDs up to 8TB each
- Up to 80mbps throughput supports recording and serving multiple simultaneous streams

The number of cameras supported and recorded depends greatly on the chosen recording resolution, frame rates, motion recording, hard drive sizes. The following examples provide a guide to typical systems.

Configure your own system using the DW Spectrum online calculator.

### RECORDING CAPABILITY EXAMPLES

Cameras Qty	Camera Resolution	Recording Codec	Quality	Frame Rate	Motion	Total Data Rate (Max. 80mbps)	Total HDD size required for 30 days storage	Recommended HDDs
6	8MP	H.264	High	25fps	50%	68.85 mbps	11TB	2x6TB
16	6MP	H.264	High	12fps	50%	75 mbps	12TB	2x6TB
24	4MP	H.264	High	12fps	50%	78.75 mbps	13TB	1x6TB, 1x8TB
64	2MP	H.264	High	5fps	50%	51.81 mbps	8TB	1x4TB or 1x8TB

Examples are provided as a guide to typical scenarios. Your own results will depend on configuration and operating variables for each site.

\* VMS16 is configured as a recorder and VMS server and is not designed to run Client software. Normal practice is to view via NX Client or Spectrum Client software on a different machine.

# VMS16

Part No.	104-VMS16-NX	104-VMS16-SP
<b>CPU</b>		
Processor	Intel J3455	
Memory	4GB	
<b>OS</b>		
Operating System	LINUX	
VMS Installed	NX Server	Spectrum Server
<b>Storage</b>		
Storage included	64GB EMMC onboard for OS	
Storage optional	2 x 3.5" SATA up to 8TB each slot (HDDs not included)	
<b>VIDEO</b>		
Analog Video Input	N/A	
Analog Audio Input	N/A	
HDMI Output	2 x resolution: 1080p, 4K	
VGA Output	1 x resolution: 1920×1080/60Hz	
<b>EXTERNAL INTERFACE</b>		
Network Interface	2 x 10M / 100M / 1000Mbps	
POE Interface	N/A	
USB Interface	2x USB 2.0 (Rear Panel) 2x USB 3.0 (Rear Panel)	
Audio Input / Output	Line In/Line Out (Rear Panel)	
Alarm Input / Output	4/2 (Rear Panel)	
Serial Port	1x RS-232 (Rear Panel)	
Power Button	1	
<b>GENERAL</b>		
Power Supply	100V~240V, 50/60HZ	
Power Consumption	≤ 30W (without HDDs)	
Working Temperature	0 °C ~ 45 °C	
Working Humidity	10%~90%	
Chassis	19" 1U chassis	

## Ordering Information

104-VMS16-NX Ness VMS16 Server with NX Server - No HDD  
 104-VMS16-SP Ness VMS16 Server with SPECTRUM Server - No HDD



Innovative Electronic Solutions  
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