Wavestore Video Management Software (VMS) and Server/ Appliance Overview

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Winner of two Queen's Awards for Enterprise

It's never been easier to select the perfect Wavestore VMS solution for your application.

This guide will help you choose the correct level of Wavestore's VMS, as well as Wavestore's own servers and appliances, providing options from general purpose surveillance through to fully integrated enterprise solutions.

Step 1: Choose your required level of Wavestore VMS from BASE, PREMIUM or ENTERPRISE, a full overview of what these levels deliver is contained on the centre pages.

Step 2: Note down how many channels you require, you can always add more later as your system grows.

Step 3: If you would like to use a Wavestore server or appliance please select the required unit from the back page. All Wavestore servers and appliances are provided pre-installed with Wavestore's VMS for ease of installation. Alternatively, Wavestore's VMS is compatible with a growing number of third-party hardware. To assist you there is an easy to use Product Selector tool available at www.wavestore.com.

A full list of product options and pricing is available from our latest **MSRP Product Guide**. If you need any help, please contact your local Wavestore Authorised Distributor or get in contact with us, we're here to help you.

Choose your Wavestore VMS level

V6

Version 6.4	Base	Premium	Enterprise
User Management			
Max cameras per server	24	128	254
Max concurrent WaveView & WaveView Mobile client connections per server	2	5	Unlimited
Max simultaneous server connections per client application (Server Groups)	1	5	255
Video Management Software (VMS)			
Simple and secure DVD or USB install of complete Wavestore VMS embedded onto Linux OS	✓	✓	✓
Ability to run server and client application on a single appliance*	✓	✓	✓
Advanced certified image authentication (watermarking)	-	Option	Option
Image encryption	✓	✓	✓
Multiple languages supported	✓	✓	✓
Unified multiple server health monitoring (within server group)	-	✓	✓
LDAP / Active Directory support	-	-	✓
Camera Integration			
IP, HD, 4K, Megapixel, HD-SDI, Thermal and Analogue camera integration	✓	✓	✓
ONVIF conformant	✓	✓	✓
Automatic ONVIF camera discovery	✓	✓	✓
Open architecture for third party camera integration	✓	✓	✓
H.264, MJPEG, MPEG-4, MPEG-2, MxPEG (Mobotix), JPEG2000 video formats support	✓	✓	✓
360° fisheye camera integration (including Oncam and ImmerVision)	✓	✓	✓
Very high Megapixel camera support (above 19MP)	-	Optional	Optional
Metadata Engine			
Enables other third-party integrations and metadata search, including third-party event and EPoS transaction text search	-	✓	✓
Other Third Party Integrations			
Video Analytics (server and on-camera)			
People Counting	-	Optional	Optional
Crowd Monitoring	-	Optional	Optional
Heat Maps	-	Optional	Optional
Facial Recognition	-	Optional	Optional
Advanced motion detection	-	Optional	Optional
i-LIDS approved detection analytics	-	Optional	Optional
Text based analytics			
Electronic Point of Sale (EPoS)	-	Optional	Optional
Automatic Number Plate Recognition (ANPR/LPR)	-	Optional	Optional
Access Control			
Access Control systems	-	Optional	Optional
Perimeter Intrusion Detection Systems (PIDS)			
Optical fibre based systems	-	Optional	Optional
Physical Security Information Management (PSIM)			
Full command & control systems	-	Optional	Optional
Audio			
Built-in camera, analogue capture, on-board server and other PC audio sub-systems	✓	✓	✓
Remote Monitoring			
Remote monitoring and RVRCs	-	Optional	Optional
Asset Protection			
Asset tracking systems	-	Optional	Optional

*subject to meeting minimum hardware specification

Version 6.4	Base	Premium	Enterprise
Specialist Integration			
WaveStar bespoke device integration service	-	Optional	Optional
WaveView Client			
Licence-free WaveView client application compatible with Linux and Windows	✓	✓	✓
Fully customizable Graphical User Interface (GUI)	✓	✓	✓
Simultaneously display live and playback images on the same workspace	✓	✓	✓
Configurable size, aspect ratio and position of camera layouts	✓	✓	✓
User defined custom camera layouts	✓	✓	✓
Drag and swap cameras	✓	✓	✓
Re-order camera positions in the device tree	✓	✓	✓
Simple synchronisation of multiple recorded views	✓	✓	✓
Dual-streaming (record high resolution streams while viewing low resolution streams)	✓	✓	✓
3-Axis mouse or joystick support	✓	✓	✓
Time stamped synchronised replay of all camera images	✓	✓	✓
Client de-warping of any 360° fisheye cameras in live, playback and export	✓	✓	✓
Unlimited configurable views from any single 360° fisheye stream	✓	✓	✓
Version 6 WaveView client compatible with Wavestore Version 5 VMS	✓	✓	✓
Interactive Maps	✓	✓	✓
Exporting video from the WaveView Client			
3-click evidential export of any recorded video	✓	✓	✓
Export complete 360° video for full post-event analysis	✓	✓	✓
Multiple simultaneous camera video export	✓	✓	✓
Export to a host of video and audio formats (incl. wsb, dvd, mpeg, avi, mp4, wmv etc.)	✓	✓	✓
WaveView Mobile Client			
Licence-free mobile client application for Android and iOS devices	✓	✓	✓
WaveView Mobile support for privacy masks	✓	✓	✓
WaveView Mobile support for dual-streaming	✓	✓	✓
Recording Management			
Configurable recording schedules	✓	✓	✓
Native quality image recording	✓	✓	✓
Configurable multi-track recording per camera	✓	✓	✓
Time-lapse recording function (recording i-frames only)	-	✓	✓
Lip-sync audio recording	✓	✓	✓
Native 360° fisheye camera recording	✓	✓	✓
iSCSI support	✓	✓	✓
Event-driven video switching	✓	✓	✓
RAID capability up to RAID6 (N+2 redundancy)	-	-	✓
Failover	-	-	✓
Search Engine			
Instantaneous retrieval of recorded video via playback slider	✓	✓	✓
Global text search of operator event notes	✓	✓	✓
Event/Alarm search and instant replay	✓	✓	✓
Metadata search	✓	✓	✓
Alarm and Event Management Engine			
User configurable event and alarm management	✓	✓	✓
Configurable event email notifications	✓	✓	✓
Manual and/or automatic digital output trigger	✓	✓	✓
Flexible cause & action rules engine	✓	✓	✓
Evidential video locking	✓	✓	✓
Real time on screen event list	-	✓	✓
Updates			
Wavestore software upgrades included (within current version)	2 updates	2 updates	2 updates
Easy upgrade to next level of software (Base to Premium, Premium to Enterprise for example)	✓	✓	N/A
Software Support Agreement (SSA)	Optional	Optional	Optional

*subject to meeting minimum hardware specification

Three unique levels of V6 to meet your needs

With a simple 'buy-once' licence model, Wavestore's VMS is provided as a single software package that gives you the flexibility to choose from Base, Premium or Enterprise levels in order to match your project's requirements. Additionally, as your system grows, you can simply add more channel licenses or upgrade to the next level of Wavestore's VMS via a simple licence key upgrade, without the need to reinstall the software.

Wavestore Server & Appliance Overview

Features:	A-Series NVRs	E-Series NVRs & HVRs	P-Series NVRs	Q-Series NVRs & HVRs	V-Series NVRs & HVRs	X-Series NVRs & HVRs
Form factor	Desk or VESA monitor mount (supplied)	1U rackmount	Desktop	1U rackmount	2U rackmount	4U rackmount
Max. IP channels (NVR version)	8	32	32	64	128	254
Max. analogue channels (HVR version)	-	16	-	16	16 or 32 analogue channel options	16 or 32 analogue channel options
Max. IP channels (HVR version)	-	16	-	64	128	238 - standard analogue 222 - option analogue
Max. audio channels	8	24	24	64	128	254
Max. IP throughput	100Mbits/s	300 Mbits/s	300Mbits/s	600Mbits/s	1200Mbits/s	1200Mbits/s - standard 1800Mbits/s - option 2400Mbits/s - option
Operating System	Linux	Linux	Linux	Linux	Linux	Linux
Local WaveView client operation	Yes (up to 3Mbits/s)	Set-up only	Yes	Set-up only	Set-up only	Set-up only
Remote WaveView client operation	Yes	Yes	Yes	Yes	Yes	Yes
Max. No. HDDs	1 x internal	2 x internal	2 x internal	4 x hot-swap	12 x hot-swap	24 x hot-swap
Max. HDD capacity	2TB	12TB	12TB	24TB	72TB	144TB
HDD type	2.5" form factor	WD Purple and Purple NV options	WD Purple and Purple NV options	WD Purple NV and WD Gold options	WD Purple NV and WD Gold options	WD Purple NV and WD Gold options
Typical video storage rate	100 FPS	600 FPS	600 FPS	1200 FPS	1600FPS	1600FPS
Compression formats	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000
Wavestore VMS compatibility	Compatible with all levels of Wavestore's VMS	Compatible with all levels of Wavestore's VMS	Compatible with all levels of Wavestore's VMS	Compatible with all levels of Wavestore's VMS	Compatible with all levels of Wavestore's VMS	Compatible with all levels of Wavestore's VMS
Redundant PSU (dual)	-	-	-	Optional	Optional	Yes
Storage redundancy (RAID5, RAID6 / N+1, N+2)	-	-	-	-	Optional	Yes
Warranty	One-year back to base	Three-year back to base	Three-year back to base	Three-year back to base	Three-year back to base	Three-year back to base

The perfect match for Wavestore's VMS

Each Wavestore server and appliance has been specifically designed to operate with any level of Wavestore's VMS. With a solution for virtually any application from general purpose surveillance to mission-critical installations with built-in redundancy, Wavestore's comprehensive range of servers and appliances are available with flexible options to ensure the perfect unit for the job at hand. Complete with up to a full three-year back to base warranty, there are also options for a five-year extended warranty to deliver enhanced peace of mind.

For a full overview of Wavestore's server and appliance ranges please visit **www.wavestore.com/hardware**.