

DVR/NVR/HVR Solution with NAS Storage Option

The Wavestore PEARL is a well featured video recording solution that is configurable to record combinations of analogue and network (IP and megapixel) cameras

The Pearl range addresses the requirement to provide a well featured & integrated recording and management system supporting analogue and network IP and megapixel cameras simultaneously with the option to record to external storage such as Network Attached Storage (NAS)

Up to 16 analogue camera inputs plus up to 32 network (IP and megapixel) cameras can be recorded and multiple images with various formats can be viewed simultaneously.

Pearl incorporates the Wavestore HiNet capability which enables multiple video formats & audio data to be recorded within the same infrastructure. The Wavestore user interface includes a number of innovative design features including drop-down list for easy camera install, and user set-up and system configuration.

The dual Gigabit network feature can be employed to segregate the network video load from the corporate/remote viewing networks.

The Pearl range is ideal for applications such as education, commercial premises, government offices, and hospitals where a high quality and dependable video surveillance and recording capability is required.

The inclusive remote viewer software enables authorised users to log in securely and, subject to their user rights, control, view and copy live and archived video data to CD, DVD or USB.



- Rugged and reliable Linux design provides an ultra stable and reliable recording solution
- **Configuration options**
 - **DVR** 4, 8 or 16 analogue camera inputs
 - **NVR** 4, 9, 16, 32 or 64 IP/megapixel inputs
 - **HVR** up to 16 analogue + up to 32 IP and megapixel camera inputs
- High quality recordings in Wavelet, H.264, MPEG-4, MxPEG and M-JPEG modes simultaneously
- Wide range of recording features supported (camera dependent), including IP PTZ control
- Multiple Wavestore recorders can be networked to monitor many cameras over LAN or WAN
- Very fast data search by date & time, or variable speed slider (forward and reverse)
- Supports up to 3 SATA-2 hard disks (Also supports external storage using iSCSI interface)
- Simple to install and operate with embedded camera protocols.
- Uncomplicated camera licensing system, easily ungradable through 4, 9, 16 and 32 input options
- Digital zoom supported in monitoring and playback modes using a wheeled mouse (Virtual PTZ)
- Simple drag and drop function to create your unique multiple display preferences
- Multiple users enabled with unique authority profile (5 users is the default)
- Powerful detailed event and system logs securely maintained
- Automatic system re-start when power resumes after power loss.



T: +44 (0)20 8756 5480

E: info@wavestore.com

W: www.wavestore.com

Wavestore PEARL

The complete network recording solution



Controller specifications

Capability	Record, display and control analogue, network (IP and Megapixel) cameras
Video protocols	Analogue - Wavelet or H.264. IP - Motion JPEG, MxPEG, MPEG-4 and H.264
No of camera inputs	Up to 16 analogue and up to 32 IP and megapixel camera inputs concurrently (Number of camera licences can be increased from 4 to 9, 16 and 32 quickly and easily)
Operating System	Embedded Linux platform
Cameras supported	Acti, Arecont, Axis, Basler, IQEye, JVC, Lumenera, Mobotix, Panasonic, Sanyo, Sony (See web site for current listing)
Camera set-up	Fast camera set up with drop down menus and easy to use set up routines. (Includes direct access to the camera web browser set-up)
Recording formats	Prime, Time Lapse and Alarm (assignable to different storage drives)
Network Bandwidth	High speed Gigabit LAN
Network support	NAS & SAN recording via high speed iSCSI interface
NAS storage volume	Up to 64 Terabytes of network storage
Camera network	Seamlessly scalable using multiple recorders to support hundreds of video inputs
Multiple servers	Seamless multi-server view of all cameras in a network
Motion Detection	Intelligent configurable video motion detection support
PTZ Support	PTZ for analogue & IP cameras supported (see web site for status)
Operating conditions	5 to 40°C (40 to 104°F). Humidity 20 to 40% RH (non-condensing)
Diagnostics	Remote, secure diagnostics and repair functionality (subject to the availability to the network for remote access)
Low power	Typical 200 Watts power consumption (rating varies according to specific configuration)
Remote software	5 user licenses of the Windows PC client software included as standard (Additional user licences available)
Systems interface	Flexible SDK for third-party integration or customisation

Management specifications

User Interface	Powerful & easy to use Graphical User Interface (GUI)
Platforms	Operates on a Windows PC (2000, XP, Vista)
Functions supported	All parameters available (subject only to user permissions applied)
Playback functions	Live or archive images (Super-fast FIND of images even from terabytes of data storage)
Search options	Search by date & time (waterfall display) or by motion detection
Display options	Multiple 1, 4, 9, 13 and 16 way display options for each user
Display images	Full screen display for any display option, plus digital zoom
Digital PTZ	Full 3 axis control (PAN, TILT & ZOOM) using a 3-axis mouse or joystick
Export video	Single or multiple image clips can be exported to CD, DVD or USB
Time synchronisation	Date & time embedded on all images & can be synchronised with an external NTP source
Languages supported	English, German, French, Spanish, Portuguese, Hungarian, Italian, Russian, Turkish & Japanese
Viewing options	Simultaneous multiple languages supported on different screens

Product Designator		Example R08M1-2000-H04-GOLD			
R	08	M1	2000	H04	GOLD
PRODUCT CODE	NUMBER OF ANALOGUE INPUTS	ANALOGUE COMPRESSION CODE & QTY	STORAGE VOLUME (GB)	NUMBER OF IP INPUTS	SYSTEM COLOUR
Options are:	Options are:	Options are:	Options are:	Options are:	Options are:
O = Opal	4	M = Wavelet Compression 100fps global	500	4	SILVER
L = Little	8		1000	8	GOLD
T = Topaz	16	H = Wavelet Compression 200fps global	1500	16	PLATINUM
C = Crystal	24		2000	32	
P = Pearl	32	V = H.264 Compression 25fps All Inputs	2500	64	
R = Rock			3000		
G = Granite			Refer to data sheet for maximum values		

Refer to product datasheets for detailed features and configurations.

(2U 19" rack mountable)
Dimensions (D x W x H)
493mm x 422mm x 88mm
(19.4" x 16.6" x 3.5")
(Depth measurement is from rack mounting)
(Rack mountings & grab handles are removable)

Wavestore Ltd, Unit 1, Hayes Metro Centre, Springfield Road, Hayes, Middlesex. UB4 0LE
 T: +44 (0)20 8756 5480 F: +44 (0)870 139 3900 E: info@wavestore.com W: www.wavestore.com