

A-Series Network Video Recorders (NVRs)

Wavestore A-Series server/storage NVRs deliver a professional recording, management and control solution for small or highly distributed security and video surveillance systems.



Typically, up to 8 network cameras can be connected to each NVR, which are supplied pre-installed with Wavestore's Video Management Software (VMS).

All models feature built-in WaveView client software to monitor live or recorded video, and the compact size and near-silent operation of the A-Series makes it an ideal choice for when discreet recording is required or where space is limited. Desk or VESA mount, the NVR is supplied with a VESA mounting plate making it suitable to attach to the rear of a monitor.

A-Series NVRs deliver a throughput of up to 100Mbps/sec and come with a 2.5" internal hard drive to provides up to 2TB of storage. In a typical installation, this allows for 31 days continuous real-time recording from 6 Full HD cameras.**

Choose your Wavestore VMS channel license level

A-Series NVRs are compatible with all four levels of Wavestore's VMS: Base, Premium, Enterprise and Ultimate, which offer a broad range of capabilities and features to ensure the right solution for any given application.

Server Groups

Multiple A-Series NVRs, as well as other Wavestore NVRs and HVRs, can be configured into a server group of up to 255 units* to satisfy large and distributed installations via a single Graphical User Interface (GUI).

Warranty

All A-Series NVRs are supplied with a full one year return to base hardware warranty.

Pre-installed with Wavestore Video Management Software (VMS)

Whether you are looking for a video only application using a mix of camera technologies, including 360° fisheye and 4K, or a fully integrated solution with third-party providers for Access Control, Video Analytics, Intruder Detection and more, it is possible to create best-in-breed total security solutions that meet exacting specifications for the end-customer with Wavestore's ONVIF conformant truly open-platform VMS.

Coupled with a flexible and cost-effective license model, additional cameras or functionality can easily be added at a later date without disruption to the existing system. What's more, there's no recurring support contracts to sign up to and technical support is free of charge.

Wavestore's WaveView and WaveView Mobile clients

WaveView is Wavestore's free of cost client software which delivers an intuitive interface designed to offer full, yet simple, control of total security solutions. Authorised WaveView client devices can simply access individual or grouped Wavestore NVRs to give users full control of their security system.

The WaveView Mobile application adds mobile viewing capability enabling operators to view and control their system from iOS or Android devices.

WaveView's leading search and playback capabilities allow operators to quickly review recorded images via an intuitive play bar, providing instantaneous access to exactly the right image from any point in time from the recorded data, even over large amounts of stored data.

Export of video evidence

In just three mouse clicks, operators can export clips from multiple cameras simultaneously to a variety of file formats or create a storyboard of events with a sequence of cameras, including virtual PTZ control of 360° fisheye cameras.

Authentication and encryption of video and audio content are also supported.

At a glance

Camera channels

Typically up to 8 IP

Hard drives

1 x 2.5"

Storage capacity

1TB and 2TB options

IP throughput

Up to 100Mbps/s

WaveView client operation from the NVR

Near-silent operation

Key Features

- Highly secure VMS embedded into the Linux Operating System (OS)
- Up to 4096bit encryption with comprehensive cyber-security package provided as standard
- Fully ONVIF conformant and truly open-platform
- Compatible with the world's leading camera brands and video formats
- Compatible with a wide range of camera technology including UHD, 4K, HD, 360° fisheye, panoramic, thermal, HD over analogue and analogue
- Comprehensive third-party integration capability across Intelligent Video Analytics, Access Control, Intruder Detection and other technologies*

* These features are available from the NVR/ HVR but are dependent on the Wavestore VMS channel license level to operate. Please check specifications prior to ordering.

** Typical expected figures; please make sure the calculations for your specific camera and site requirements are completed before ordering.

TECHNICAL SPECIFICATION	A-Series
Channels & throughput	
Typical no. IP channels	8
Max. built-in analogue channels	-
Typical no. audio channels	8
Max. IP throughput	100Mbps/sec
Compression formats	H.265, H.264, MJPEG, MPEG-4, MxPEG and JPEG2000
Typical video storage rate	100 FPS
Operation	
Operating system	Linux (VMS embedded)
Operating system drive	Same as storage
CPU	Intel Celeron N3050
RAM	4GB DDR3
Graphics card	Nvidia GeForce 730
Connectivity	
Network interfaces	1 x GbE
USB ports	4 x USB 3.0
Monitor outputs (connect one only)	VGA HDMI
Alarm I/O module	Optional
Keyboard and mouse	Yes (not supplied)
Wavestore VMS	
Pre-installed with Wavestore's VMS	Yes
Wavestore VMS channel license compatibility	All levels
VMS configuration restore points	Yes
Multicast support	Yes
Automatic camera discovery and camera group set-up	Yes
WaveView Client	
Local client use	Yes (up to 3Mbps/sec)
Remote client use	Yes
WaveView Mobile compatible	Yes

TECHNICAL SPECIFICATION	A-Series
Storage and Hard Drives (HDDs)	
Max. number of HDDs	1
Min. internal storage	1TB
Max. internal storage	2TB
HDD type	2.5" form factor
Hot swap HDD bays	-
EcoStore™ HDD spin-down compatible*	-
Redundancy	
RAID	-
Dual PSU	-
Failover compatible	-
Physical	
Form factor	Compact desktop and VESA mount (bracket supplied)
Dimensions (D x W x H)	115mm x 111mm x 52mm
Weight (with 1 HDD fitted)	1.2kg (approx.)
Weight (each additional HDD)	-
Operating temperature range	5°C to 40°C 41°F to 104°F
Operating relative humidity (non-condensing)	20% - 80%
Power	
Power input	12-19v (PSU supplied)
Power consumption with 1HDD	35W typical
Power consumption (each additional HDD)	-
Warranty	
Standard warranty	1-year return to base
Extended warranty	-

Popular configurations:

AC1-1PU1-NR-1G-NA-S11
AC1-2PU1-NR-1G-NA-S11

Compact desktop and VESA mount (bracket supplied) NVR, 1TB storage, 100Mbps, 1-year warranty
 Compact desktop and VESA mount (bracket supplied) NVR, 2TB storage, 100Mbps, 1-year warranty

Rear Panel Connections:

- HDMI port
- VGA monitor connection
- Network interface Port
- 3 x 3.0 USB ports
- 1 x 2.0 USB port
- 2 x Audio ports



Supplied complete with VESA mount bracket and PSU

Channel licenses sold separately