

WRT-Series Video Server

Wavestore WRT-Series Video Server deliver a recording, management and control solution for smaller-sized security and video surveillance projects



At a glance

Camera channels
Typically 24 IP

Hard drives
Single Hard Drive

Storage capacity
Up to 16TB

IP throughput
Up to 300Mbits/s

Typically, at least 24 network cameras can be connected to each video server, which are supplied pre-installed with Wavestore's Video Management Software (VMS). Housed in a compact mini-tower case, suitable for desktop or shelf mounting, WRT-Series Video Servers can accommodate a hard drive at a time to provide up to 16TB of storage. This can deliver more than 31 days continuous real-time recording from 24 Full HD cameras in a typical installation**.

The WRT-Series has a throughput of up to 300Mbits/sec and comes with dual network interfaces to segregate incoming and outgoing network traffic. The ports can be bonded to provide fault tolerance for perfect performance at all times.

Choose your Wavestore VMS channel license level

WRT-Series Video Servers 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 WRT-Series Video Servers, as well as other Wavestore video servers, 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 WRT-Series Video Servers are supplied with a full five-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 video servers 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.

Key Features

- Up to 16TB of Raw Storage
- M.2 SATA OS Drive
- Intel® 9th Generation Core™ Processor
- 5-Year Keep Your Hard Drive Warranty
- Highly secure VMS embedded into the Linux Operating System (OS)
- 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 video server/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	WRT-Series
Channels & throughput	
Typical no. IP channels	24
Max. built-in analogue channels	-
Typical no. audio channels	24
Max. IP throughput	300 Mbits/sec
Compression formats	H.265, H.264, MJPEG, MPEG-4, MxPEG and JPEG2000
Typical video storage rate	450 FPS
Operation	
Operating system	Linux (VMS embedded)
Operating system drive	M.2 SSD
CPU	Intel i3 9100
RAM	8GB
On-board graphics card	Yes
Connectivity	
Network interfaces	2 x Gb NICs
USB ports	2 x USB 3.1 Gen 1, 2 x USB 2.0 2 x USB 3.1 Gen 1; 2 x USB 2.0
Monitor outputs (connect one only)	HDMI DisplayPort
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 10Mbits/sec)
Remote client use	Yes
WaveView Mobile compatible	Yes

TECHNICAL SPECIFICATION	WRT-Series
Hard Drive (HDD)	
Max. number of HDDs	1
Min. internal storage	4TB
Max. internal storage	16TB
HDD type	Surveillance grade
Hot swap HDD bays	No
Redundancy	
RAID*	N/A
Dual PSU	-
Failover compatible	-
Physical	
Form factor	Compact Mini Tower
Dimensions (W x D x H)	97mm x 292mm x 290mm
Weight (with 1 HDD fitted)	5.14 kg
Weight (each additional HDD)	-
Operating temperature range	5° C - 35° C 41° F - 95° F
Operating relative humidity (non-condensing)	20 ~ 80%
Power	
Power input	(1) 200W (100-240VAC)
Maximum Power Draw	120W
Warranty	
Standard warranty	5-Year, On-site, NBD, Keep Your Hard Drive Warranty

Front and Rear Panel Connections:

- Rear (2) USB 3.1 Gen 1, (2) USB 2.0;
- Front (2) USB 3.1 Gen 1; (2) USB 2.0 4 x 3.0 USB ports
- DisplayPort (1) HDMI

Popular configurations:

WRT1-8PU1-NR-2G-NA-S11

Mini tower video server, 8TB storage, 300Mbps, 5-year warranty

Build your WRT-Series:

Series	Form Factor	Max No. of HDDs	Storage fitted (TB)	Drive type fitted	No. of HDDs fitted	RAID ports	No. of NICs	Analogue channels	Power supply	CPU options	Graphics options
WRT	Mini tower	1	Up to 16TB	Surveillance	1	-	2 x Gb	NA (none)	S (single)	N/A	N/A

Channel licenses sold separately



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