

PRODUCT DATASHEET



At a glance:

- **NVR channels: up to 48 IP**
- **Hard drives: up to 4 x 3.5"**
- **Storage capacity: up to 24TB**
- **IP throughput: up to 300Mbps/s**
- **Built-in WaveView client software**

PT-Series Network Video Recorders (NVRs)

Wavestore's **PT-Series** NVRs are designed to offer a robust and reliable recording, management and control solution for small to medium size security and video surveillance projects. With the ability to connect up to 48 network cameras per standalone unit, multiple appliances can also be configured into server groups* to satisfy large and distributed video surveillance installations, via a single Graphical User Interface (GUI).

Easy to install and operate, the desktop tower **PT-Series** NVRs can be operated as a central server to record and store images, as well as a client workstation to monitor live or recorded video, making it an ideal solution for applications where space is limited.

PT-series NVRs can accommodate 4 x 3.5" hot-swap hard drives to provide the potential for 24TB of storage. Thanks to industry leading throughput, users can typically expect 31 days storage of images from 40 Full HD cameras being recorded in real-time, 24 hours a day**. Customisable recording rates can be set per individual channel for both normal and 'on alarm' recording and a wide mix of camera technologies, including 360° degree fisheye cameras, can be deployed across an installation. All **PT-Series** NVRs are provided with a full three-year return to base hardware warranty.

Wavestore Video Management Software (VMS)

PT-Series NVRs are compatible with all three levels of Wavestore's Video Management Software (VMS): Base, Premium, and Enterprise, which offer a broad range of capabilities to ensure the right solution for any application. Coupled with a flexible and cost-effective license model, additional camera channels or functionality can easily be added at a later date without disruption to the existing system.

Full compliance with ONVIF, combined with Wavestore's 'any video, any format' philosophy enables users to benefit from camera technologies and compression formats offered by all leading brands. In addition, integration with third-party providers for Access Control, Video Analytics, Alarm, PIDs & Sensor, Audio and Epos & Text systems makes it possible to create best-in-breed total security solutions that meet exacting specifications for the end-customer*.

WaveView: one screen, total control

Known as 'the operators' favourite' and pre-installed on all **PT-Series** NVRs, WaveView is Wavestore's licence-free client software providing an intuitive interface designed to offer full, yet simple, control of total security solutions.

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 archived data, even over large amounts of stored data.

In just three clicks of the mouse, operators can export clips from one or multiple cameras simultaneously to a variety of file formats, or create a storyboard of events with a sequence of cameras, including PTZ control of 360 degree cameras. Authentication and encryption of video and audio content are also supported.

The **PT-series** enables WaveView to be accessed locally on the appliance simply by plugging in a monitor, keyboard and mouse, whilst additional WaveView remote connections of authorised clients can easily be achieved. Wavestore's licence-free WaveView Mobile application adds mobile viewing capability allowing users to view and control their system from iOS or Android devices.

Key features:

- Wavestore's VMS is embedded directly onto the Linux operating system providing ultra-secure robust and reliable operation
- High megapixel, UHD, 4K, HD, MP, 360° fisheye, thermal and analogue*** camera support
- Leading client side 360° fisheye camera de-warping and ability to create multiple 'virtual cameras' from just one camera stream
- H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000 video formats supported
- Host of additional third-party integration options covering Access Control, Video Analytics and other technologies
- View live and playback recorded video on the same screen simultaneously
- Configurable camera layouts by size, format and position
- Instantaneous video recall with 3-click export process - even from multiple cameras
- Instantly transmit video clips associated with an event
- Lip-sync audio as standard
- Specialist and bespoke device integration available via the WaveStar integration service*
- Truly independent, open platform and ONVIF conformant

* VMS licence level dependent

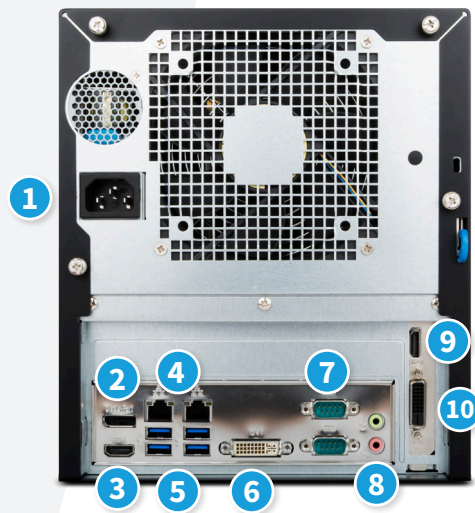
** Typical expected figures; please make sure the calculations for your specific camera and site requirements are completed before ordering

*** Analogue cameras via compatible third-party video encoder

TECHNICAL SPECIFICATION	PT-Series
Max. IP channels	48
Max. audio channels	48
Max. IP throughput	300Mbps/sec
Compression formats	H.264, MJPEG, MPEG-2, MPEG-4, MxPEG and JPEG2000
Typical video storage rate	600 FPS
Local client display rate at D1 resolution	Over 500 FPS
Max. number of Hard Disk Drives (HDDs)	4
Max. internal storage (8TB HDDs)	24TB
Hot swap HDD bays	Yes
Storage redundancy (RAID 5, RAID 6 / N+1, N+2)	-
Redundant PSU (dual)	-
Form factor	Desktop tower case
Dimensions (D x W x H)	280mm x 240mm x 210mm
Weight (with 1 HDD fitted)	5.7Kg
Operating temperature range	5 to 40°C
Operating system	Linux

TECHNICAL SPECIFICATION	PT-Series
Operating system drive	64GB SATA DOM
CPU	Intel Core i5 6400
RAM	4GB DDR4 ECC
Network interfaces	2 x Gb NIC
Additional network interfaces (optional)	-
USB ports	Rear 2 x USB3.0 & Front 2 x USB2.0
Monitor output	DVI-I, HDMI
Alarm I/O module	Optional
Keyboard and mouse	Not Supplied
Built-in WaveView client software use	Set-up and operation
Power input	100-240v AC 50/60Hz
Power consumption	100W typical (1 HDD fitted)
Wavestore VMS software compatibility	Base, Premium, Enterprise
Standard warranty	3 years (see warranty statement)

1. Mains input
2. Not used
3. Not used
4. Network interface ports 0,1
5. 4x USB ports
6. Not used
7. Not used
8. Not used
9. HDMI port
10. DVI port



Build your PT-Series NVR:

Series	Form Factor	Max No. of HDDs	Storage fitted (TB)	Drive Type Fitted	No. of Drives fitted	RAID ports	No. of NICs	Analogue Channels	Power Supply	CPU options	Graphics options
P	T	4	2, 4, 6, 8, 12, 16, 18, 20, 24	PU (Surveillance grade)	1 to 4	NR (none)	2G	NA (none)	S (single)	1 (i5 6400)	1 (standard)

Popular configurations:

PT4-4PU1-NR-2G-NA-S11
PT4-6PU2-NR-2G-NA-S11
PT4-24PU4-NR-2G-NA-S11

PT-Series desktop tower NVR, 4TB, 300Mbps/sec, 100-240v AC
PT-Series desktop tower NVR, 12TB, 300Mbps/sec, 100-240v AC
PT-Series desktop tower NVR, 24TB, 300Mbps/sec, 100-240v AC

Channel licenses sold separately



GLOBAL HQ (EMEA)

Wavestore Global Ltd.
Tel: +44 (0) 1895 527 127

Email: info@wavestore.com
Visit: wavestore.com



USA/CANADA

Wavestore Americas Inc.
Toll-free: 855-526-8887