



## WRN-1610S

Wisenet WAVE 2U PoE+ NVR

### Benefits

- Designed to provide a cost-effective way for users to take advantage of the highly popular Wisenet WAVE video management software (VMS)
- Ready to be used out-of-the-box with no need for an installer
- Wisenet WAVE features an intuitive 'drag & drop' tool which makes it extremely easy for operators to set up a display of live and recorded images on a single screen or video wall
- A wide range of Smart search options, including keyword, calendar and time-slice search, enable operators to quickly retrieve recorded video of specific incidents

WRN-1610S		
<b>DISPLAY</b>		
Video	Inputs	Up to 16CH
Live	Local Display	1x HDMI, 1x VGA dual monitor
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux Ubuntu
Video Management Software	Embedded	Wisenet WAVE
Recording	Recording Bandwidth	Up to 150 Mbps
Storage	Built-in OS	1 x eMMC SSD (embedded)
	Internal Storage	4 SATA (Max. 24TB)
Sensor	I/O	4/2
<b>NETWORK</b>		
Interface		2 x RJ-45, Gigabit Ethernet, 16 x PoE+ 100Mbps
<b>FUNCTIONS</b>		
System Control		Mouse, Keyboard
<b>INDICATOR/INTERFACE</b>		
Front	Indicator	Power status LED 1ea, HDD action LED 1ea, Alarm status LED 1ea, Record status LED 1ea, PoE over Budget LED 1ea, Network action LED 1ea
	USB	3 EA (Front x1, Rear x2)
Connections	Audio	Stereo Jack (Left-Right)
	HDMI / VGA	HDMI : Up to 4K (3840 x 2160), VGA : Max. 1080p
	Ethernet	16ea (PoE (PoE+), 100Mbps), 2ea (LAN/WAN, 1Gbps)
<b>GENERAL</b>		
<b>ENVIRONMENTAL</b>		
	Operating Temperature	+0°C to +40°C (+32°F to +104°F)
	Operating Humidity	20% ~ 85% RH
<b>ELECTRICAL</b>		
	Input Voltage / Current	100 ~ 240V AC
	Power Consumption	Max. 320 W (4 HDDs, PoE(PoE+) on), Max. 63 W (4 HDDs, PoE(PoE+) off)
	PoE Budget	Each Max. 30 W (0.55 A), Total Max. 200 W (3.7 A)
	Form Factor	2U rack mount chassis
<b>MECHANICAL</b>		
	Colour / Material	Black / Metal
	Dimension (WxHxD)	440 x 89.8 x 426.3 mm (17.32 x 3.54 x 16.78)
	Weight	5.2 kg (without HDDs)

\* A minimum of 4 WAVE Professional licenses must be purchased separately

\* The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)

\* Design and specifications are subject to change without notice.

\* Wisenet is the proprietary brand of Hanwha Techwin.

## Key Features

- Supported by Wave client, mobile and Cloud Sync
- Supports AI metadata
- 150 Mbps of recording throughput
- Supports up to 24TB internal storage
- HDMI/VGA monitor outputs for configuration and basic monitoring
- 16 PoE/PoE+ ports, with a total power budget of 200W
- PoE port control & Alarm I/O supported
- ONVIF camera compliant
- 2U Rack mountable
- Recommended maximum of 30 servers for a merged system
- Includes USB mouse and rack mount brackets



## Dimensions

Unit:mm(inch)

