

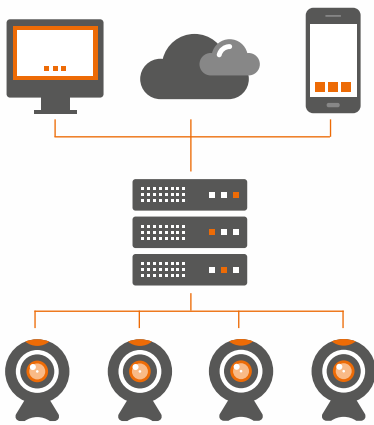
SERVER

Lightweight. Powerful. Server Hive.

The Wisenet WAVE server application is the foundation of the entire platform - with the ability to operate alone or as one part of a hive.

Wisenet WAVE is available as a downloadable software application from the Hanwha Techwin website which enables operators to view up to 64 high definition streams of live video.

The supporting web-based application enables each Wisenet WAVE platform to be managed as a stand alone system or as part of a larger, scalable video management solution. The application also provides an audit trail, real-time health monitoring and camera failover support, as well as reports on server health and storage status.



Server Hive

Connect to any Server w/ any Client

- Instant synchronisation
- No single point of failure
- Automatic Failover
- One Click Upgrades



Discover. Manage. View. Integrate.

The Wisenet WAVE server application is a lightweight, powerful media server responsible for discovering, connecting to, and managing Wisenet WAVE system devices and data.

Supported Operating Systems:  Microsoft Windows  Ubuntu Linux  ARM Devices

Discover	Manage	View	Integrate
IP Cameras (ONVIF, Custom)	IP Cameras / NVRs / DVRs	Live Video (adaptive)	HTTP Generic Events
RTSP/HTTP Streams	Advanced Routing	Recorded Video (adaptive)	HTTP Request-as-an-Action
I/O Devices	Storage (HDD/NAS/DAS)	Server Health	Server API
3rd Party DVR / NVRs	Events & Rules Engine	Log Files	Storage SDK
Servers / Systems	Failover	Audit Trail	Video Source SDK
SAMBA NAS	Transcoding	Storage Status	Any Device or System

SERVER WEB ADMIN



Supported Operating Systems

Windows



Windows 7
 Windows 8
 Windows 8.1
 Windows 10
 Windows Server 2008
 Windows Server 2008 R2
 Windows Server 2012
 Windows Server 2012 R2
 Windows 10 Enterprise

Linux



Ubuntu Linux 14.04 LTS
 Ubuntu Linux 16.04 LTS

ARM



Raspbian
 Bananian

Supported Media Streaming

Live Streams (Viewed on Desktop)	Video: H.265 H.264 MJPEG Audio: AAC PCM (Mu-Law, A-law) g726 MP3
Live Streams (Available to pull from Server to 3rd Party)	Video: H.265 H.264 MJPEG WebM Audio: AAC PCM (Mu-Law, A-law) g726 MP3 Protocols: RTSP MJPEG WebM HLS

Other

Automatic Camera Failover	~1 Min. Configurable.
Transcoding	Supported (For Web Client, Mobile, Api)
Database	SQLITE + Proprietary Archive Index
Single Sign On	LDAP / Active Directory
Security	Open SSL Salted MD5 Hash TLS/SSL HTTPS
Dev tools	Server API (HTTP) Video source SDK Storage SDK
NAS	SAMBA (Authenticated, Unauthenticated)

Scalability

# Of Clients Per Server:	Thousands
# Of Clients Per System:	Unlimited
# Of Streams Per Server:	128
# Of Servers In A Server Hite	50 (50 is a recommended maximum. Contact support for more info).

Hardware Recommendations

Recommended based on # of streams	Streams	RAM	NIC	CPU*
	Up to 8	1 GB	1 GB	Dual Core ARM
	Up to 16	2 GB	1 GB	Dual Core Atom
	Up to 32	4 GB	1 GB	Dual Core Atom
	Up to 64	8 GB	1 GB	Core i3
	Up to 128	16 GB	1 GB	Core i3

*CPUs data correct at time of print.