

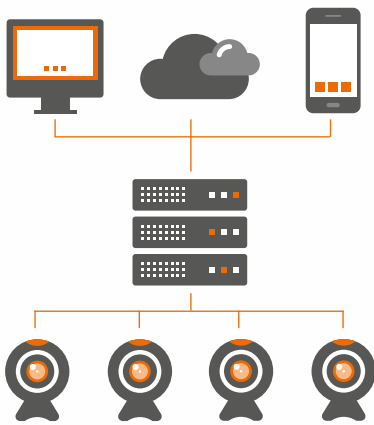
# SERVER

## 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

### Browser UI

View Live or Recorded Video  
Real Time Health Monitoring  
Built-in SDK and API Docs



## 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

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

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	<table border="1"> <thead> <tr> <th>Streams</th> <th>RAM</th> <th>NIC</th> <th>CPU*</th> </tr> </thead> <tbody> <tr> <td>Up to 8</td> <td>1 GB</td> <td>1 GB</td> <td>Dual Core Atom</td> </tr> <tr> <td>Up to 16</td> <td>2 GB</td> <td>1 GB</td> <td>Dual Core Atom</td> </tr> <tr> <td>Up to 32</td> <td>4 GB</td> <td>1 GB</td> <td>Dual Core Atom</td> </tr> <tr> <td>Up to 64</td> <td>8 GB</td> <td>1 GB</td> <td>Core i3</td> </tr> <tr> <td>Up to 128</td> <td>16 GB</td> <td>1 GB</td> <td>Core i3</td> </tr> </tbody> </table>	Streams	RAM	NIC	CPU*	Up to 8	1 GB	1 GB	Dual Core Atom	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
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*CPUs data correct at time of print.																									