

MediaStar HLS Wireless Live Streaming (469)



700-469

MediaStar Live Streaming is server based software that distributes video media in an HLS format over your wireless network to iOS or Android tablets, phones and BYO devices, ensuring that important information, live TV and media feeds are easily accessible to your staff, visitors and customers.

A variety of different sources can be Live Streamed with the aid of a MediaStar Live Stream enabled encoder. Whether terrestrial, cable, satellite, PC or internally created media, the encoder will scale the content to the correct resolution for viewing on mobile devices and H264/AAC encode the stream into segments prior to passing them to the HLS Live Streaming server.

The Live Streaming server can be configured to store aggregated content up to a maximum of 120 hours, depending on storage availability. When content exceeds its specified store period, it is deleted.

Users can click and play iVod and Live Streaming feeds from Media Portal web pages generated by the MediaStar Media Manager server. Populating Media Portal pages with content is as simple as dropping media icons to the Portal configuration page. A single click will publish the page.

Each portal page can be individually branded and customised to your corporate livery.

Key Features for

- Live Stream to iOS and Android phones and tablets
- Media feeds at the iOS or Android device can be paused or rewind
- Users with iOS or Android devices can select the Live Streams and iVod content they want from MediaStar Portal Pages
- MediaStar Portal pages are easily configured in Media Manager with the published URL distributed to specific users
- MediaStar HLS encoders can be rack mounted for headend installations or standalone for portable stream capture

Both iOS and Android technologies come with Live Stream viewing technology built in, with no additional client or app install required. Integrated within the technology is the facility to pause and rewind live streaming content up to a configured maximum on the Live Streaming server.

For small Live Streaming systems the first MediaStar Live Stream server can be co-hosted on the Media Manager server. As the need for client devices increase and you need a corresponding increase in processing power the Live Streaming server can be installed to additional hardware.

MediaStar Portal pages are licensed on a per client/device basis. Additional licenses are required as Live Streaming servers are added.

MediaStar media encoders should be purchased with Live Stream HLS enabled. For any existing encoders a software upgrade for Live Stream is available. Please contact your reseller or Cabletime for further details.

Model options: 700-469, 700-467-10, 469

Specifications

Product Specification

Client OS/browser requirements

IOS V4 onwards

Android v4.2 Jellybean

Requires Javascript to be enabled

Live Streaming server OS requirements

Windows 7 (32/64 bit)

Windows 2008 R2 server (32/64 bit)

Server

Dell R220 server with SSD and dual aggregated network ports ^(Note 1)

Server Performance based on dedicated MediaStar HLS Live Streaming Server 700-469

Up to 30 concurrent input streams

Total rewind period across all incoming streams 120 hours.

Up to 450 concurrent users

Based on shared MediaStar Media Manager & HLS Live Streaming Server 700-462-10-469 ^(Note 2)

Up to 30 concurrent input streams

Total rewind period across all incoming streams 120 hours.

Up to 400 concurrent users (With up to 10 x 780 Media Player system overhead)

Up to 350 concurrent users (With up to 20 x 780 Media Player system overhead)

Up to 200 concurrent users (With up to 50 x 780 Media Player system overhead)

Up to 100 concurrent users (With up to 70 x 780 Media Player system overhead)

^(Note 1)

(Note 1) This is a specific PC network port configuration that allows the two network interfaces to act together as a single network link (single IP address etc.), but with a combined 2Gbps capacity.

The (single) network switch that the server is connected to must also have its corresponding ports set to be aggregated. The configuration of this is switch dependent, but this is pretty standard functionality on all modern switches.

If the server is plugged into a 'standard' network switch with a single network cable, it will work as 'normal' with a 1Gbps throughput. If two network cables are plugged in from two non-aggregated network ports, the first port will work normally with 1Gbps capacity and the second cable/port will do nothing but will not stop anything working.

(Note 2) When the HLS server software is installed on the Media Manager server, for each 780 unit being used, subtract 5 connected clients from the HLS client capacity. This is to accommodate the playlist/config file/media file download capacity required for each 780 unit. If you are using a large number of 780's in an existing system, HLS will require a separate, dedicated server.

What's in the box

Part No. 700-469 - DELL R220 SERVER PRELOADED WITH MEDIASTAR HLS Wireless Live Streaming SOFTWARE; SERVER RACK MOUNT KIT; DVD C/W MEDIASTAR Live Streaming Software and CERTIFICATE OF Authenticity.

Part No. 700-462-10-469 - DELL R220 SERVER PRELOADED WITH MEDIASTAR Media Manager and HLS Wireless Live Streaming SOFTWARE; SERVER RACK MOUNT KIT; DVD C/W MEDIASTAR Media Manager / Live Streaming Software and CERTIFICATE OF Authenticity.

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