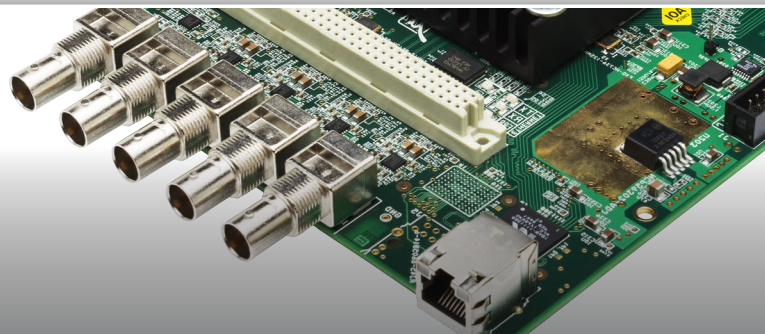


## MEDIA SERVER

### MS-IP VS

► **Multiplexed digital video server over one or multiple IP outputs**



The Media Server IP (MS-IP) is a digital media server capable to produce multiplexed signals over one or multiple IP outputs 24 hours a day.

In order to do so, it is important to have a robust, reliable, and expandable system.

► **LARGE SELECTION OF CONTENTS**

Programs can be in MPEG-2, MPEG-4 AVC/H.264, HEVC/H.265, and format can be either SD, HD, or UHD.

► **EMISSION CONTROL**

Report generation based on date, clip, channel, and emission status, which allows to have control over the contents broadcasted by the system.

► **GREAT ROBUSTNESS AND RELIABILITY**

A platform fully developed by VideoSwitch, which ensures the system is reliable, with local warranty and support.

- It uses one or multiple GbE UDP/IP interfaces from a server.
- For one single IP output (RJ-45) it can generate up to 360 Mbps of video in total or 300 simultaneous streams, using a Dell PowerEdge server, or an OEM server with an Intel Xeon E3 CPU.
- Each program can go to a UDP port and an IP address different and configurable.
- Unicast/Multicast emission.
- Programs can be in MPEG-2, MPEG-4 AVC/H.264, HEVC/H.265, and format can be either SD, HD, or UHD.
- It playbacks video files in MPEG-2 Transport Stream format.
- High flexibility to create Playlists: copy/paste functions for clips, blocks, days, etc.
- Possibility of handling multiple IP outputs per server.
- Content input through: Ethernet, CD/DVD, USB, or external HDD.
- Features suitable for implementation of a Near Video On Demand (NVOD) system.
- Report generation based on date, clip, channel, and status of emission.
- Expandability: possibility of adding extra SD, HD, or UHD services gradually to the same server.
- Broadcast of multiple Single Program Transport Streams (SPTS) for each IP output, from files according to a fully configurable Playlist based on times and channels.
- Possibility of centralized operation.
- Screen preview of all the content clips, both on the Clips base and the broadcast Playlist.
- Filler clip function for automatically filling inter-block spaces (dark-times).
- Agile identification of clip categories on screen using different colours.
- User management and event log for each user.

Dell PowerEdge is a registered trademark of Dell Inc.

### MEDIA SERVER

### MS-IP

<b>NUMBER OF IP INTERFACES</b>	2 standard interfaces (1 Video, 1 remote management).
<b>CONNECTOR FOR IP INTERFACES</b>	RJ-45 (1000 Base-T).
<b>FEATURES OF IP INTERFACE</b>	Gigabit Ethernet, supporting IEEE 802.3ab. Multiple MPEG-2 Single Program Transport Stream (SPTS) on UDP/IP. Unicast and Multicast.
<b>SUPPORTED CONTENT FILE FORMATS</b>	MPEG-2 Transport Stream (ISO/IEC 13818-1), SPTS (Single Program Transport Stream), CBR (Constant Bit Rate).
<b>SUPPORTED VIDEO FORMATS</b>	MPEG-2 (ISO/IEC 13818-2), MPEG-4 AVC/H.264 (ISO/IEC 14496-10), MPEG-H HEVC/H.265 (ISO/IEC 23008-2).
<b>SUPPORTED AUDIO FORMATS</b>	MPEG-1 Layer I, II, III (ISO/IEC 11172-3), MPEG-2 Layer I, II, III (ISO/IEC 13818-3), MPEG-2 AAC (ISO/IEC 13818-7), MPEG-4 HE/LC-AAC (ISO/IEC 14496-3), Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3).
<b>OUTPUT STREAM LICENSE</b>	10 standard SD/HD/UHD services, configurable and expandable with additional licenses.