MBC-7000
Mosaic Generator

PRODUCT DETAILS

The MBC-7000 series enables creation of a mosaic channel from a mixture of sources in a variety of layouts. Easy to deploy & configure.

MBC-7000 creates a mosaic as HD or SD video stream, encoded and transmitted as standard H.264/MPEG-2 SPTS over IP, enabling remote management and very flexible installation topology.

FEATURES

- Flexible deployment, due to the unique mosaic over SPTS architecture. Mosaic streaming over regular LAN/WAN networks is available.
- Ability to mix variety of sources H.264/MPEG-2/HD/SD
- Flexible output stream bitrate, down to 1mbps for streaming over the internet
- Encoding at H.264 and MPEG-2
- Supports audio re-muxing of any audio format
- Fully customizable layouts, with user defined background
- Dynamic output layout cycling (Round Robin)

ORDERING INFORMATION

Base Device:
MBC-7000 ........................................ Flexible license model

SPECIFICATIONS

Supported Video Compression Formats
MPEG-2 Video ........................................ up to MP@5.1
H.264 Video ........................................ up to Hi@4.1
Video aspect ratio .................................. 4:3 / 16:9
Color space ........................................... YUV420, YUV422

Audio Layer Pass-Through
Audio codec ......................... MPEG2 / AAC / HE-AAC / A-52
Audio channel mode ......................... 1 / 1+1 / 2 / 5.1
Multiple audio PIDs ......................... up to 20 audio PIDs

Video Encoding
Video codec ........................................ MPEG2 / H.264
Video encoding .................................... SD/HD
Video resolution ......................... 480i, 576i, 1080i
Video frame rate ......................... 25 / 29.97 / 30

Transport Protocols
Multicast & Unicast ......................... TS over UDP
........................................... TS over RTP

Notifications
SNMP ........................................ Configurable SNMP TRAPS
SYS LOG .......................... Configurable sys-log notifications
SMTP .................................. Email notifications

Mosaic Layouts
User defined layouts .................. 1-40 channels per layout
Round-robin ............................. Unlimited sources cycle
Caption ............................... User configurable channel caption
Inactive sources .......... Transparent, visible background
layout editor ..................... via embedded web browser

Management
Web ................................ Complete configuration via web
Remote ................................ JSON WEB services
CLI .......................... Network & software management

Software Maintenance
Field upgradable ........................ via FTP
Configuration .......................... Export/Import to XML
Software Image .......................... Dual Image

Hardware Requirements
Operates on standard off the shelf hardware
Supported Servers ...... DELL, HP, Intel, SuperMicro, Cisco
Installation ....................... No software installation required