



the future is close



MVS212

2ch HD Broadcast Server

TURNING
TECHNOLOGY
INTO PRODUCTS

Mikrom's MVS212 HD Broadcast Server institutes a new class of video server value in flexibility and performance.

The MVS212 is a standalone, remote controllable 2ch HD Broadcast Server offering a reliable, dedicated architecture using reprogrammable hardware.

The MVS212 features SD/HD Simulcast output from a single source and comes with an integrated Motion-adaptive Deinterlacing for progressive output of interlaced content as well as with full screen true color overlay and channel branding.

By supporting a comfortable playback automation and Server Mirroring for 100% redundancy a quick integration into an existing facility is possible.



KEY FEATURES

Standalone, remote controllable 2ch HD Broadcast Server

Two independent decoder units, each featuring:

MPEG-2 4:2:2@HL up to 120 Mbps

JPEG2000 up to 250 Mbps

Motion-adaptive Deinterlacer

2x Dual-link HD/SD-SDI output with embedded audio

HD/SD Simulcast from single source

8ch Audio output (AES/EBU, BNC)

Server Mirroring

Graphic Overlay / Subtitle

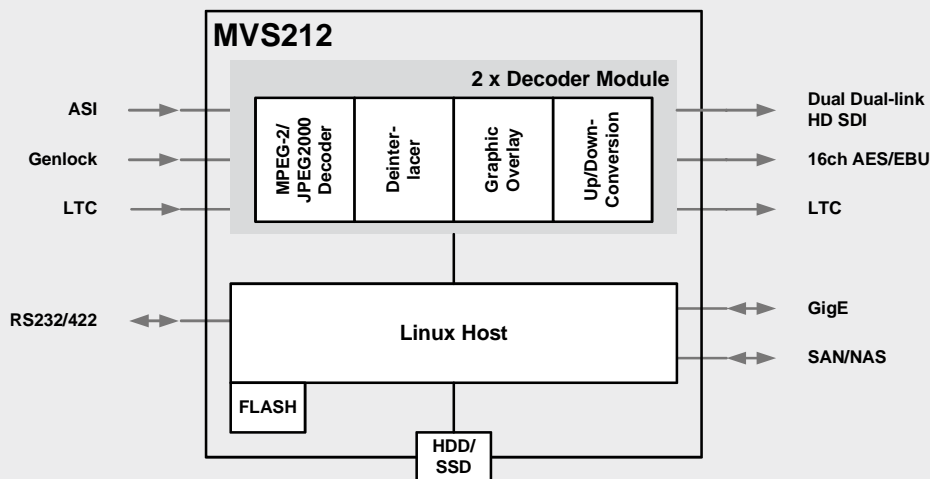
Multichannel MPEG-2 SD (optional)

APPLICATIONS

Broadcast Contribution

Broadcast Distribution

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TECHNICAL SPECIFICATION

VIDEO DECODING / PROCESSING

MPEG-2 4:2:2@HL up to 120 Mbps
 JPEG2000 up to 250 Mbps
 High Quality Multitap Scaler
 Motion adaptive Deinterlacer
 Up to 4 simultaneous MPEG2 SD channel decoding

AUDIO DECODING

Dual audio decoder (MPEG, AAC, opt. ACE / DTS)
 Various Channel configuration up to Stereo + Surround Sound
 AC-3 / DTS bitstream output

SERVER CONTROL AND UPDATE

Automatic/Manual decoder configuration and channel selection
 Remote control: RS232, TCP/IP
 Local control (Front panel)
 Firmware Update using WebGui:
 Ethernet 10/100/1000BaseT, 1 RJ45

STORAGE

Hot-swap 2.5" HDD
 Solid-State Drives (optional)
 SAN / NAS support

INPUT

TS Input: DVB-ASI, 2 BNC (optional)
 Genlock: 1 BNC
 LTC: 1 BNC
 Data import: 1000BaseT, 1 RJ45

OUTPUT

TS Thru: DVB-ASI, 1 BNC
 Digital Video Output:
 2x HD-SDI (SMPTE259M, SMPTE372M), emb. audio (SMPTE299M) or emb. audio (SMPTE272M), 2 BNC
 Digital Audio Output:
 AES3 (SMPTE276M), AES3-id, 8 BNC
 Alarm: General Purpose Output
 Simultaneous HD and SD output

PHYSICAL AND POWER

Dimensions: 484 x 88 x 253 mm (19 x 1.8 x 10 in), 2RU 19"
 Weight: 12kg
 Cooling: Forced air flow, front-to-back
 Power: 100-240 VAC, 50/60 Hz, 120 W

ENVIRONMENTAL SPECIFICATIONS

Operating Temp.: 0 to 40° C (32 to 104° F)
 Operating Humidity: max. 90% rel., non-cond.
 Storage Temp.: -20 to 70° C (-4 to 158° F)
 Storage Humidity: max. 95% rel., non-cond.

ELECTROMAGNETIC COMPLIANCE

US: FCC - 47 CFR Part 15 Class B
 EU: CE - EN 55103-1/-2

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