



television anywhere

MVD600

H.264/AAC Source Decoder (19")

The MVD600 is an integrated H.264/AAC Decoder, targeting low-resolution terrestrial broadcast services as ISDB-T for the Japanese market and DVB-H for the European market. DVB-H - largely based on the successful DVB-T - is the evolution of TV towards mobility since it is the next media to be integrated in battery-powered handheld devices.

The MVD600 receives compressed H.264/AAC data being encapsulated in an MPEG-2 Transport Stream from an ASI interface. A demultiplexer, together with an automatic program detection & selection mechanism extracts audio/video data from the bit stream to the audio/video decoder.

The decoded video is formatted for output onto SDI interface, the audio is formatted and embedded into SDI as well as output directly onto AES interface.

Being packaged into a stainless steel housing with excellent EMC properties, using a robust AC/DC converter and forced internal air-flow finally turn the MVD600 into a reliable solution for worldwide broadcast applications.



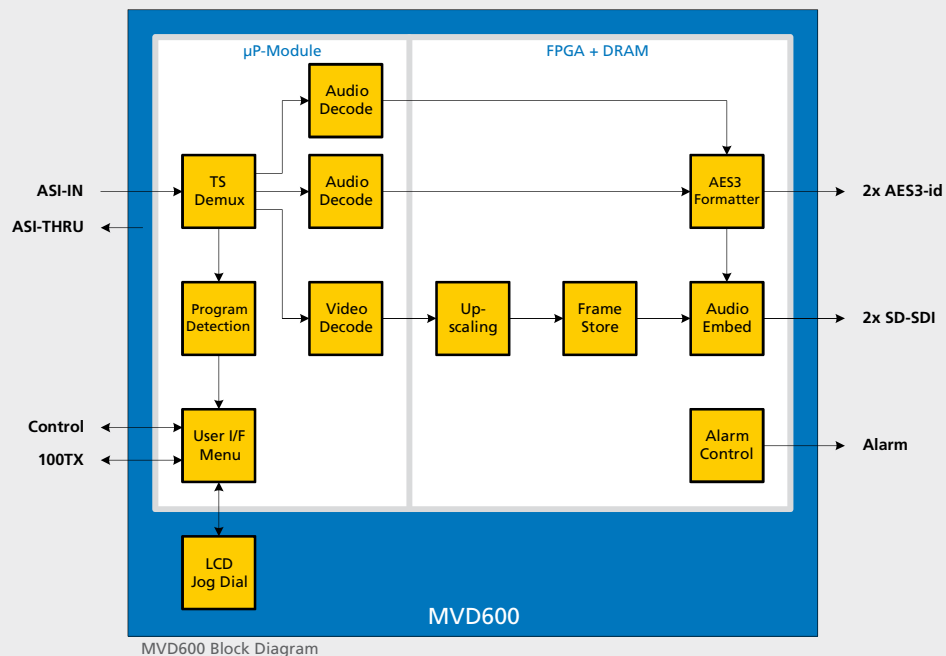
TURNING TECHNOLOGY INTO PRODUCTS

KEY FEATURES

- MPEG-2 Transport Stream Demux
- Supporting ISDB-T/DVB-H over DVB-ASI
- H.264/MPEG-4 AVC Video Baseline Profile @ Level 1.2 Decoder
- 320x240 Pixel (QVGA) @ 15 fps, 384 kbps
- Dual video output (SD-SDI) with embedded audio
- Dual MPEG-2 AAC audio decoder with Low Complexity + Side-band Replication
- Video Up-Scaling & Frame-rate adaptation
- 10/100BaseT, RS232 Control, Alarm
- Upgrade/customizing by software

APPLICATIONS

- Broadcast, Handheld TV
- Monitoring
- R&D
- Compliance Testing



TECHNICAL SPECIFICATION

STANDARDS COMPATIBILITY

MPEG-2 Transport Stream (ISO/IEC 13818-1)

Video: H.264/MPEG-4 AVC
Baseline Profile @ Level 1.2
(ISO/IEC 14496-10 AVC), 384 kbps

Audio: MPEG-2 AAC (ISO/IEC 13818-7)
ISDB-T/DVB-H over DVB-ASI, RTP over IP

DATA RATE

Transport Stream: 108 Mbps max.

Video Elementary Stream: 384 kbps max.

Audio Elementary Stream: 2 x 70 kbps typ.

DECODER CONTROL AND UPDATE

Automatic/Manual decoder
configuration and channel selection

Remote control: RS232, 1 DSUB9
Local control (Front panel)

Firmware Update using TFTP:
Ethernet 10/100BaseT, 1 RJ45

INPUT

TS Input: DVB-ASI, 1 BNC

OUTPUT

TS Thru: DVB-ASI, 1 BNC

Digital Video Output:
2x SD-SDI (SMPTE259M),
embedded audio (SMPTE272M), 2 BNC

Digital Audio Output:
AES3 (SMPTE276M), AES3-id, 2 BNC

Alarm: General Purpose Output

PHYSICAL AND POWER

Dimensions: 484 x 445 x 253 mm
(19 x 1.8 x 10 in), 1RU 19"

Weight: 3.2 kg (7.05 lbs)

Cooling: Forced air flow, front-to-back

Power: 100-240 VAC, 50/60 Hz, 15 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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