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.
**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

**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**
EU: CE - EN 55103-1/-2

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**INPUT**
TS Input: DVB-ASI, 1 BNC