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the future is close

MVD400 MPEG-2 HD Source Decoder (19")

**YOUR PARTNER
FOR PROFESSIONAL
HD SOLUTIONS**

The MVD400 targets to professional users in the contribution and distribution area, meeting all needs with its wide range of HD functions and interfaces.

All relevant HD video formats like 1080/60i or 720/60p and all usual frame rates including 24sf are supported. Beyond this SD resolution support allows to cover SD applications as well as HD.

The MVD400 is controlled either from the front panel or from remote application via RS232.

Thus, the MVD400 is an ideal solution for Broadcast, Digital Cinema, and Film/Postproduction.

In addition, its comprehensive interfacing and its field-tested decoding performance approves the MVD400 to a reference decoder for R&D, test and production.



MVD400

KEY FEATURES

MPEG-2 HD decoding for all main ATSC and DVB formats

True 80 Mbps video bit rate

Supports interlace, progressive and segmented frame video formats

Precise and adjustable AVV synchronization

Time-Code output for external control

Closed Caption and Audio embedding into HD-SDI

Upgradeable and customizable hardware architecture

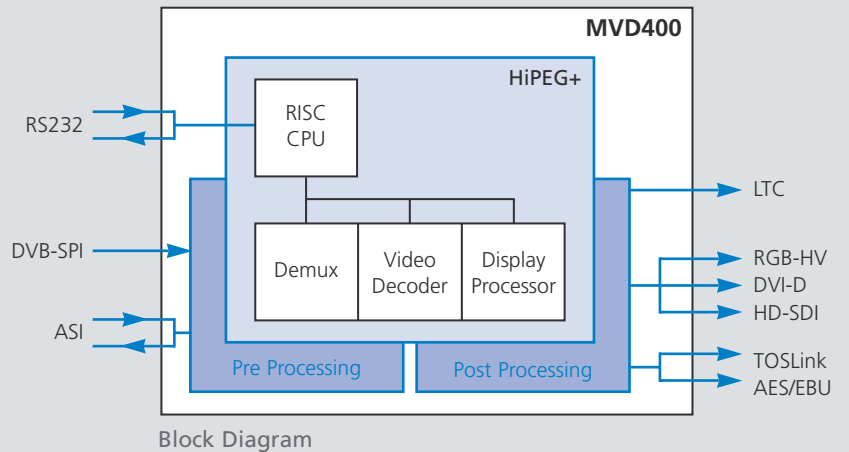
DVB/ATSC Channel names (PSIP)

APPLICATIONS

Broadcast

D-Cinema

Film/Postproduction



TECHNICAL SPECIFICATION

VIDEO DECODING AND FORMATS

MPEG-2 MP@HL (ISO/IEC 13818) TS
 1080/30p, 1080/60i, 1080/25p, 1080/50i,
 1080/24p, 1080/24sf, 720/60p, 720/50p,
 576/50p, 480/60p, 576/50i, 480/60i

Native video format output and
 1/1.001 frame rate supported

Video Up/Down-Scaling

AUDIO PROCESSING/DECODING

Pass-through for audio bit stream
 (MPEG, Dolby AC-3 5.1, Dolby E)

Pass-through for 8ch PCM audio
 (SMPTE302M)

Optional: MPEG Audio Decoder

DECODER CONTROL

Automatic/Manual decoder set-up
 and configuration

Local from front panel LCD
 and jog-dial

Remote from PC via RS232, with
 terminal or proprietary software

Automatic/Manual channel selection
 and display

Control of multiple units from a
 single PC (RS232)

Time-Code output for external control

COMPLIANCE

CE, CSA, FCC

INPUT

TS Input: ASI (DVB/ATSC), 1 BNC

TS Input: SPI (DVB/ATSC), 1 DSUB25

OUTPUT

TS Thru: ASI (DVB/ATSC), 1 BNC

Digital Video Output: YUV
 (SMPTE292M), HD-SDI, 1 BNC

Digital Video Output: RGB-HV (DVI 1.0),
 1 DVI-D

Analog Video Output: Switchable
 RGB-HV/YUV (SMPTE274M,
 SMPTE293M, SMPTE296M), 5 BNC,
 Sync-on-HV/Green/All

Digital Audio Output: 1ch Audio bit
 stream (IEC61937), optical S/P-DIF,
 1 TOSLink

Digital Audio Output: 4ch AES/EBU
 digital electrical balanced, 1 DSUB25

Time Code Output: LTC, 1 XLR

PHYSICAL AND POWER

1RU (44.5 mm/1.8 inches), Dimensions:
 484x43x253 mm, Weight: 2.6 kg/5.7 lbs
 100-240, 50/60 Hz, 15 W, Auto-sensing

OPERATING CONDITIONS

Temperature: 0°C to 40°C (32°F to 104°F)

Rel. Humidity: 5 to 90% (non-cond.)

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