

»» off to new shores

**MVD500**  
MPEG-2 HD Source Decoder (19")

The MVD500 is a professional MPEG-2 HD Source Decoder optimized for monitoring applications in a Broadcast environment.

The video decoder supports all video formats used in the Broadcast arena worldwide (ARIB, ATSC, DVB). A dual audio decoder architecture allows monitoring of two audio services simultaneously (e.g. Stereo + Surround Sound). Audio decoding is configurable for MPEG, AAC and opt. AC-3 audio.

Decoded video is provided onto two SDI outputs, in native format and in up/down-converted format. Digital audio is output onto 8ch AES3id and also embedded into both SDI signals.

The software on the embedded processor improves the hardware upon capabilities like automatic configuration and remote control. Programmable hardware aside to pure MPEG-2 decoding allow to customize functionalities on-site by software update.

The MVD500 is the newest member of Mikrom's product family of Professional Source Decoders (MVD).



MVD500

	RGB	DVI	SDI	Applications
MVD400	●	●	HD	Broadcast, D-Cinema
MVD401	●	●	-	„Nice Price“
MVD500	-	-	SD+HD	Broadcast, Monitoring

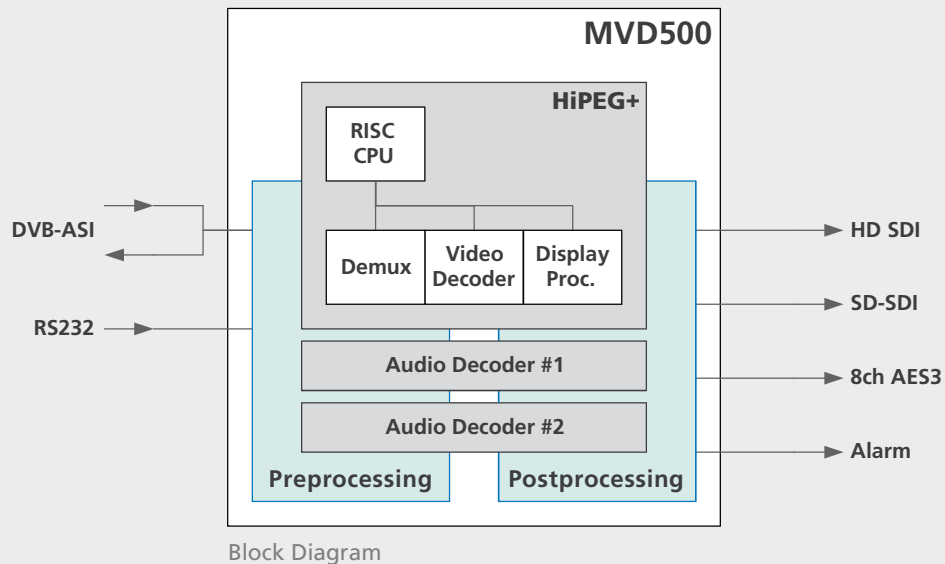
TURNING  
TECHNOLOGY  
INTO PRODUCTS

KEY FEATURES

- MPEG-2 MP@HL Hardware Decoder
- Supporting ARIB, ATSC and DVB
- True 80 Mbps video bit rate
- Native and up/down-converted video output
- Dual video output (SD-SDI, HD-SDI)
- Dual audio decoder (MPEG, AAC, opt. AC-3/DTS)
- Quad audio output (8ch AES3id)
- Audio embedded into both SDI
- Upgrade/customizing by software

APPLICATIONS

- Broadcast
- Monitoring
- R&D, Test



## TECHNICAL SPECIFICATION

### VIDEO DECODING AND FORMATS

MPEG-2 MP@HL (ISO/IEC 13818) TS  
 1080/60i, 1080/50i, 720/60p, 720/50p,  
 576/50p, 576/50i, 480/60p, 480/60i  
 (Other formats on request)  
 1/1.001 frame rates supported  
 Native and up/downscaled video output

### AUDIO DECODING

Dual audio decoder  
 (MPEG, AAC, opt. AC-3 / DTS)  
 Various channel configurations,  
 up to Stereo + Surround Sound

### DECODER CONTROL

Automatic/Manual decoder  
 configuration  
 Automatic/Manual channel  
 selection  
 Remote control (RS232)  
 Local control (Front panel)

### INPUT

TS Input: DVB-ASI, 1 BNC

### OUTPUT

TS Thru: DVB-ASI, 1 BNC  
 Digital Video Output:  
 HD-SDI (SMPTE292M), emb. audio  
 (SMPTE299M), 1 BNC  
 SD-SDI (SMPTE259M), emb. audio  
 (SMPTE272M), 1 BNC  
 Digital Audio Output:  
 AES3 (SMPTE276M), AES3-id, 4 BNC

### PHYSICAL AND POWER

Form factor: 1RU 19"  
 Dimensions: 484 x 445 x 253 mm  
 (19 x 1.8 x 10 in)  
 Weight: 2.7 kg/5.7 lbs  
 Power: 100 - 240 VAC, 50/60 Hz, 20 W

### OPERATING CONDITIONS

Temperature: 0°C to 45°C (32°F to 113°F)  
 Rel. Humidity: 5 to 90% (non-cond.)  
 Cooling: Forced airflow cooling

### COMPLIANCE

CE, CSA, FCC

MikroM Mikroelektronik für  
 Multimedia GmbH

Dovestraße 1  
 10587 Berlin  
 Germany

Tel: +49 30 398839 0  
 Fax: +49 30 398839 29

www.mikrom.com  
 info@mikrom.com

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