

DMB VIDEO ENCODER



- Fully supports the T-DMB standard
- Guaranteed high quality video and audio for broadcasting
- Provides synchronisation of video and audio
- Supports BSAC/HE-AAC audio
- Supports various encoding modes
- Provides software based flexible and economical solution
- Guaranteed system stability
- Easy to upgrade for functional extensions
- Easy to interface with external systems



Specifications

KEY FEATURES

- ✓ **System Timing**
 - Generates exact timing information (PCR, OCR, PTS, CTS)
- ✓ **Audio/Video Synchronisation**
 - Max. ± 15ms
- ✓ **Audio/Video Rates**
 - CBR/VBR (user-defined control)
- ✓ **TS rate**
 - CBR/Null packet stuffing
- ✓ **Coding Mode**
 - User-defined settings
- ✓ **Monitoring**
 - Operation status monitoring

ENVIRONMENT & MECHANICAL

- ✓ **Temperature Range**
 - +5°C to +50°C
- ✓ **Housing**
 - 19" instrument cabinet, 2U height
- ✓ **MTBF**
 - Greater than 50,000 hours
- ✓ **MTTR**
 - 30 minutes
- ✓ **Dimensions**
 - 450 mm(W) x 88 mm (H) x 395 mm (D)
- ✓ **Weight**
 - 7.5 kg
- ✓ **Power Supply**
 - Voltage : 100 V - 240 V AC
 - Frequency : 50 Hz - 60 Hz
 - Power Consumption : Approx. 200W

HARDWARE

- Intel Dual CorePlatform
- Windows XP Professional operating system

INPUTS

- ✓ **Video**
 - Video Input : Composite/S-Video RF Coax, SDI (optional)
 - Video Size : QCIF, QVGA, WDF, CIF
 - Frame rate : 2,5 fps- 30 fps
 - Compression : H.264 (MPEG-4)
 - Bit rate : 128 kbps - 768 kbps
- ✓ **Audio**
 - Audio Input : Analogue stereo , AES/EBU, SDI (optional)
 - Sampling : 24 KHz - 48 KHz
 - Compression : MPEG-4 BSAC, HE- AAC V2
 - Number of sub frames : 1 - 3 (BSAC only)
 - Bit rate : 24 kbps - 128 kbps (BSAC)
32 kbps - 128 kbps (HE-AAC)

TRANSPORT STREAM

- MPEG-2, MPEG-4 SL, ISO/IEC 144496 Section
- PSI Information : PAT, PMT, OD, BIFS
- Output Bit rate : 256 kbps-1Mbps

OUTPUTS

- IP Output : Ethernet (UDP/IP)
- ISO/IEC 13818-1 Amendment 7
- Unicast or Multicast
- UDP/IP (RFC 768), RTP/UDP/IP (RFC 1889, 2038)
- ETI NI output (optional)
- DVB ASI output (optional)



VDL Head office
90 rue Paul Bert - 69446 Lyon Cedex 03
FRANCE - Tel: +33 (0)4 72 84 06 00
Fax: +33 (0)4 72 84 06 01

VDL International Sales & Marketing Office
CityPoint - Temple Gate - Bristol BS1 6PL - UK
Tel: +44 (0)117 373 6260
Fax: +44 (0)117 373 6261

sales@vdl.fr - www.vdl.fr - www.vdl-broadcast.com
Siren: 421 579 400 - NAF: 6130 Z