



xDR2000-DEC

Professional Video Decoder



> Applications

- Live Broadcast
- Sports Production
- Studio Production
- Electronic News Gathering

> Key Features

- DVB-ASI Input
- HDMI, CVBS, SDI, and HD-SDI Outputs
- Dual Mode Decoding: HD/SD video, H.264 and MPEG2
- Genlock Input
- Easy To Use Local Control Panel
- BTP Decryption for Privacy

> Options

- AES 128/256 Decryption (BCrypt1 and BCrypt2)
- BISS-1, BISS-E

> Overview

The xDR2000-DEC professional decoder decodes both MPEG2 and H.264 compression. Supporting resolutions from 480i to 1080i/60. The unit automatically configures decoder parameters to match the received signal.

The decoder comes ready to use as a stand-alone unit. It is DC powered and comes with a universal AC transformer. A 19" rack mount kit with AC power supply is also available. The HDMI output plugs directly into most popular monitors and DVRs. The unit also has outputs for CVBS, SDI, audio, and HD-SDI.

Contact BMS to discuss your requirements.



> Technical Specifications

Decoding:	H.264 (MPEG4 Section 10/AVC) and MPEG2 (auto-selecting), (4:2:0, 4:2:2)
Video Outputs:	
HDMI	1.3, Type A with audio (no HDCP)
NTSC or PAL:	720 x 480 (NTSC), 720 x 576 (PAL) BNC(f)
SDI Outputs:	ANSI/SMPTE 259M and 292M: (SDI, HD-SDI) BNC(f) 720p: 23.976/24/25/29.97/30/50/59.94/60 1080i: 23.976/24/25/29.97/30/50/59.94/60 1080p: 23.976/24/25/29.97/30
DVB-ASI Input/Output:	EN50083-9
Genlock Input:	Syncs to composite (analog) or tri-level (digital) signal
Audio Decoding:	ISO/IEC 11172-1 (Layer I/II)
Audio Frequency Response:	40 Hz to 15 kHz +/- 1.0dB
Audio Output Analog:	2, balanced outputs, 600 ohm, short-protected
Audio Output HDMI:	HDMI video/audio, ver. 1.3 (no HDCP)
Audio Output SDI:	Embedded audio on SDI outputs
Audio Level Adjust:	± 6 dB via front panel adjustment
Decryption (standard):	BMS Transmission Privacy (BTP)
Decryption (optional):	AES 128 or 256 bit (FIPS PUB 197, BCrypt1 and BCrypt2), BISS-1, BISS-E
User Data:	RS232 Side channel up to 19.2 k/Baud
Remote Control:	Remote RS232 (external Ethernet control option available)
Local Control:	Local Control Panel with Receive Signal display
USB:	Front panel USB port for software updates
Input Voltage Range:	+11 to +18 VDC and 100-240 VAC 50-60 Hz with supplied AC/DC transformer
Power Consumption:	20 W or less, depending on mode
Temperature Range:	Full Specification: -10° to +50°C
Storage:	-40° to +70°C
Humidity:	5 to 95% non-condensing
Size:	165mm x 320mm x 1 RU (6.5" x 12.6" x 1 RU) without connectors
Weight:	2.10 kg (4 lb. 10 oz.)

> Ordering Information

MODEL	MODES
xDR2000-DEC	Decoder, H.264 and MPEG2, auto-selecting
ACCESSORIES	
xDR2-RM	Rack mount, 1RU, up to two xDR2 with PS
xDR2-PS	Universal AC/DC for up to two xDR2
WEBI	External communications server for Ethernet control and configuration web pages

