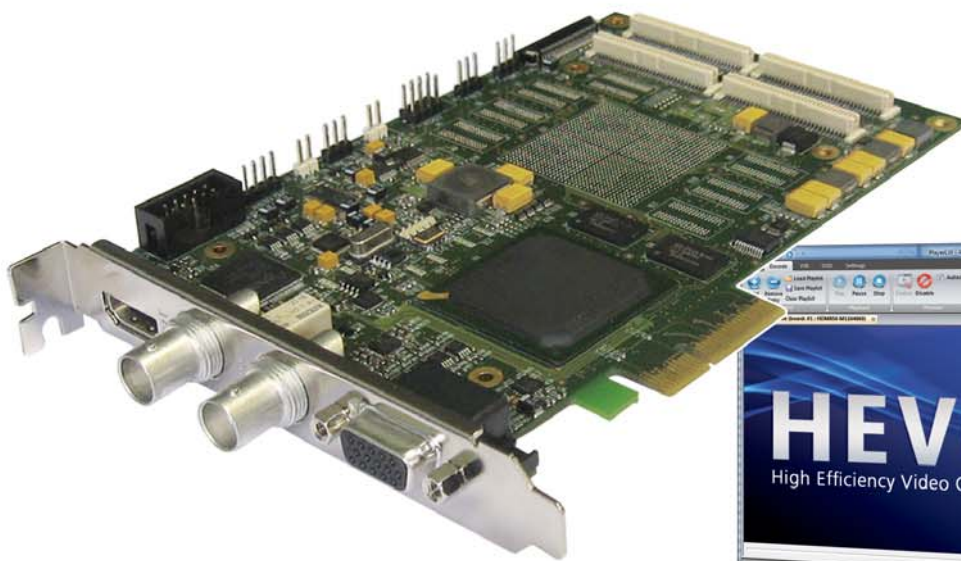


# VITEC HDM850+

## HEVC/H.265 Professional Decoder



## TECHNICAL SPECIFICATIONS

<b>HDM850+</b>		<b>HEVC/H.265 H.264 MPEG-1/2</b>	
<b>VIDEO OUTPUTS</b>			
Digital	HD / SD-SDI up to 3Gb/s /1080p60 (SMPTE 259, 292, 424,425-A) HDMI 1.3 Secondary SD-SDI (SMPTE 259) for simultaneous HD & SD playback		
Analog	YPbPr, RGB up to 1080p30, Composite, S-video		
<b>VIDEO INPUTS</b>			
Digital	HD / SD-SDI up to 3Gb/s for seamless live video stream into a MPEG playlist		
<b>SUPPORTED FORMATS</b>			
Video Formats	1080p, 1080i, 720p, NTSC, PAL		
Picture Size	HD / SD		
Chroma Sampling Format	4:2:2 & 4:2:0		
Profile	HEVC up to Main422 10@ L4.1 High Tier		
Color Standards	BT.709 & BT.601		
File Formats	MP4, MOV, MXF (OP1a/OP-Atom) MPEG-2 PS / TS		
Audio Codecs	MPEG, LPCM, AAC, SMPTE302M, AC3 and SMPTE337M pass-through		
Maximum Video Bit Rate	Up to 20 Mbps (HEVC) Up to 100 Mbps (H.264) Up to 150 Mbps (MPEG-2)		
<b>AUDIO OUTPUTS</b>			
Embedded Audio Channel	SDI (16), HDMI (8)		
Digital	AES3 (8)		
Analog	Unbalanced (2)		
<b>ADVANCED FEATURES</b>			
Seamless frame accurate playback	Yes		
RS-422 control	Sony 9-pin protocol, device mode		
VITC / LTC Output	Yes		
Closed captioning	CEA608/708,608 Waveform SMPTE RDD11 and OP47 Add SMPTE436M for MXF files		
CC Transports	ANSI/SCTE 128, ATSC A/72 [CC & AFD in AVC/HEVC user data] ATSC A/53d, ANSI/SCTE 21 [CC & AFD in MPEG2Video user data] ANSI/SCTE 20 (DVS 157) [CC in MPEG2Video user data] ETSI EN 301 775 [Teletext data in separate TS stream]		
Genlock/Reference Input	Yes		
Video / Audio adjustments	Yes (Analog & Digital)		
Upscaling / Downscaling	Any to Any resolution with auto adaptive color conversion		
Deinterlacing	Yes		
Streaming Interface	Yes (UDP TS / RTSP / RTP, Unicast / Multicast)		
Monitoring / Preview	Yes		
On Screen Display (OSD)	Full screen - Alpha-blended		
Multiboarding	Yes		
<b>DEVELOPER RESOURCES</b>			
Operating Systems	Windows 7 / XP / Server 2003-2008 (32/64 bit)		
Software	Powerful end user application provided		
Development Kits	Livewire SDK & Stradis SDK		
<b>SYSTEM CONFIGURATION</b>			
Minimum Configuration	H.264/MPEG-2: Pentium Dual Core 2.5 GHz, 2GB RAM HEVC: Pentium Quad Core 3.1 Ghz, 4GB RAM		
PCI Compliance	PCIe rev1.1 (4 lanes)		
Dimensions of the board	167.7 x 111.2 mm (6.60" x 4.38")		
Power consumption	10.3 W		

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