



MMC-2

Designed to convert standard-definition uncompressed video signals to and from compressed MPEG-2 files, MMC Media Codec Cards deliver superior encoding and decoding functionality.

MMC Media Codec Cards

The MMC family features four PCI cards to meet a range of needs, from general-purpose, real-time capture and playback to real-time decoding from satellite, terrestrial, or private television networks. Each card comes with SD codec capability, enabling MPEG encoding and MPEG decoding to be handled by separate hardware. This feature provides the highest-quality real-time encoding and decoding—with complete video format flexibility.

Technical Specifications

The MMC Media Codec Cards are available in four models—the MMC-1 Composite Media Codec Card, the MMC-2 SD-SDI/Composite Media Codec Card, the MMC-3 Component/SD-SDI/Composite Media Codec Card, and the MMC-4 DV/Component/SD-SDI/Composite Media Codec Card.

Applications

- Advertising
- Corporate Content Services
- Custom Integration Projects
- Digital Signage
- Private Television Networks
- Real-time Decoding
- Training

MODEL	MMC-1	MMC-2	MMC-3	MMC-4
MPEG Video Encoding				
MPEG-2 MP@ML 2-15 Mbs CBR or 2-12 Mbs VBR	•	•	•	•
GOP Size: Selectable 1–15 frames	•	•	•	•
GOP Structure: Selectable I, IP, IBP, IBBP	•	•	•	•
MPEG Audio Encoding				
MPEG-1 Layer II 48 kHz, 384 kbs	•	•	•	•
MPEG Video Decoding				
MPEG-1 System 600 kbs–6 Mbs (hardware decoding)	•	•	•	•
MPEG-2 MP@ML 2–15 Mbs CBR or 2–12 Mbs VBR	•	•	•	•
MPEG-1 System Stream	•	•	•	•
MPEG-2 Transport Stream or Program Stream	•	•	•	•
MPEG-4 ASP (optional)	•	•	•	•
MPEG Audio Decoding				
MPEG-1 Layer II: 32 kHz, 44.1 kHz, 48 kHz, 128–512 kbs	•	•	•	•
MPEG Performance				
5 Mbs with IFrame only; 15 Mbs with IP or IPB frames; 12 Mbs VBR	•	•	•	•
Codec Modes				
Modes: Encode, decode, simultaneous encode and decode, and timeshift	•	•	•	•
Digital Input				
PCI bus using burst transfer mode	•	•	•	•
Closed Caption				
EIA-608 Compliant	•	•	•	•
Ability to insert data when decoding MPEG streams	•	•	•	•

Support

When you purchase video production solutions from Focus Enhancements, you not only receive reliable products that deliver superior performance every day, you also receive unconditional service and support from a team of seasoned video professionals. All products are backed by comprehensive warranties and optional support contracts that cover installation, training, 24/7 phone support, and priority parts replacement.

Consultation

With extensive experience in designing, configuring, and integrating video production solutions for leading companies around the world, the Focus team can help you select the right products for your business. If you have special requirements, solution consultation and custom configuration services are available.

Technical Specifications (Continued)

MODEL	MMC-1	MMC-2	MMC-3	MMC-4
Video I/O				
Composite (BNC)/S-Video (4-pin mini DIN); NTSC, 525-line/60 Hz or PAL, 625-line/50 Hz	•	•	•	•
SD-SDI (BNC x 1); SMPTE-259M with two channels embedded audio	—	•	•	•
Component (BNC x 3); Y,R-Y,B-Y SMTE, Betacam, MII level	—	—	•	•
DV/DV CAM (IEEE-1394 FireWire 6-pin)	—	—	—	•
Analog Genlock	—	—	•	•
Audio Input				
Unbalanced stereo audio (RCA x 2); 48-kHz, 16-bit resolution, 2-channel	•	•	—	—
Balanced: (XLR x 2), +4 dBu nominal, 20 kOhm input impedance; unbalanced: (RCA x 2)	—	—	•	•
Digital AES/EBU: XLR, 2–7V p-p across a 110-Ohm load	—	—	•	•
Fully synchronized Audio/Video; Audio and Video for all input sources	—	—	•	•
Audio Output				
Unbalanced stereo audio (RCA x 2)	•	—	—	—
Balanced: (XLR x 2), +4dBu nominal into 600-Ohm load impedance; Unbalanced: (RCA x 2)	—	•	•	•
Digital AES/EBU: XLR (2), 2–7V p-p across a 110-Ohm load	—	•	•	•
Audio/Video: Audio and Video fully synchronized for all input sources	•	•	•	•
Embed or de-embed selectable stereo pairs (ch 1 and 2, 3 and 4, 5 and 6, 7 and 8)	—	•	•	•
Host Requirements				
Pentium-based PC with full-length PCI slot; powered via slot; drivers and SDK available for Windows XP, Vista, and Linux (optional)	•	•	•	•
Size				
Main Card: 4.2" (107 mm) (h) x 8.6" (220 mm) (d)	•	•	•	•
Component/DV Card: 4.2" (107 mm) (h) x 11.3" (287 mm) (d)	—	—	•	•

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