



MC-HD1

The MC-HD1 is a powerful and simple solution ideally suited as a video conversion tool for live or post-production use.

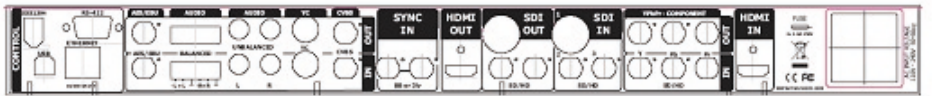
Applications

- Broadcasting
- Corporate and Industrial Production
- Education and Training
- Events and Entertainment
- Government
- Healthcare
- Independent Film
- Postproduction
- Video Production

MC-HD1 Universal Media Converter

The MC-HD1 is ideally suited as a front-end to non-linear editing (NLE) and media asset management (MAM) systems or as a video conversion tool for live-production or post-production use. The MC-HD1 also makes it possible to monitor an SD down-conversion of any output source.

The MC-HD1 features HD/SD-SDI, HDMI, component, composite (SD) and Y/C (SD), unbalanced/balanced audio and dual channel AES/EBU digital audio inputs and outputs. In addition, de-interlacing/interlacing, frame-rate conversion, audio embed/de-embed, SD/HD up/down scaling and adaptive audio delay compensation for increased flexibility. The MC-HD1 is packaged in a compact 1RU chassis with a backlit LCD display for settings and status and an easy to use scroll wheel for menu navigation. Settings can be controlled and viewed using the MC-HD1's built in web server via a simple network connection from any web browser. External devices such as VTR's can be controlled via RS422 and outputs genlocked.



MC-HD1	SPECIFICATION
Power	110-240V AC, 50/60Hz, IEC Power Cable (supplied)
Form Factor	19" 1 U rackmount case
Dimensions (LxWxH)	310mmx435mmx45mm (12.2"x17.2"x1.8")
Compliance	CE, c-Tick and FCC
Warranty	1 year
Video Processing	10-Bit, (YPbPr); 4:2:2
Broadcast Standards	SD:NTSC or PAL, HD: 1080i or 720p

Resolution	Frame Rate	Standard
720x487@59.94Hz	29.97	SMPTE 125M
720x576@50Hz	25	ITU-R BT.601-5
720x487@59.94Hz	59.94	SMPTE 293M
720x576@50Hz	50	ITU-R BT.1358
1280x720@59.94Hz	59.94	SMPTE 296M
1280x720@50Hz	50	SMPTE 296M
1920x1080@59.94	29.97	SMPTE 274M
1920x1080@50Hz	50	SMPTE 274M
1920x1080@29.97Hz	29.97	SMPTE 274M
1920x1080@29.97Hz PsF	29.97	RP211
1920x1080@25Hz	25	SMPTE 274M
1920x1080@25Hz Psf	25	RP211
1920x1080@23.98Hz	23.98	SMPTE 274M
1920x1080@23.98Hz PSF	23.98	RP211

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.

Video Input / Output	Connection	Standard
Serial Digital Input	2xHD/SD-SDI (BNCx1)	SMPTE-259-M/292
Serial Digital Input	1xSD-SDI (BNCx1)	SMPTE-259M
Serial Digital Output	2xHD/SD-SDI (BNCx1)	270Mbps, SMPTE259M/292M
Serial Digital Output (Preview)	1xSD-SDI (BNCx1)	SMPTE-259M
HDMI Input	1x HDMI Typ A	SDTV, EDTV & HDTV
HDMI Output	1x HDMI Typ A	SDTV, EDTV & HDTV
Component Analog Input	1x SD/HD YbpPr (BNCx3)	Y (1.0Vp-p), Pb/Pr (0.7Vp-p), 75 Ω
Component Analog Output	1x SD/HD YbpPr (BNCx3)	Y (1.0Vp-p), Pb/Pr (0.7Vp-p), 75 Ω
Composite (CVBS) Input	BNC x1	1.0Vp-p, 75 Ω
Composite (CVBS) Output	BNC x1	1.0Vp-p, 75 Ω
S-Video (Y/C) Input	1x4-pin Mini-DIN	Y (1.0Vp-p), C(0,43Vp-p), 75 Ω
S-Video (Y/C) Output	1x4-pin Mini-DIN	Y (1.0Vp-p), C(0,43Vp-p), 75 Ω

Reference Video	Connection	Standard
Reference Input	Blackburst or Tri-Level Sync (BNCx1)	75 Ohm or High-Z with Loop Through

Audio Input / Output	Connection	Standard
Embedded Digital Audio Input	SD/HDMI	8 channel embedded
Embedded Digital Audio Output	SD/HDMI	8 channel embedded
Digital Audio Input	AES/EBU (BNCx1)	Dual Channel
Digital Audio Output	AES/EBU (BNCx1)	Dual Channel
Balanced Audio Input	Terminal Block, 20 kΩ	Dual Channel
Balanced Audio Output	Terminal Block, 20 kΩ	Dual Channel
Unbalanced Audio Input	Cinch, 10 kΩ	Dual Channel
Unbalanced Audio Output	Cinch, 10 kΩ	Dual Channel

Control / Communication	Connection	Standard
Control-RS422	1x DB9F	for VTR control via SDK
Control-RS232	1x USB Typ B	Slave only
Network i/o	Ethernet 10/100BaseT (1xRJ45)	Webserver

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