



MD-HX

MINIATURE (3G/HD/SD)-SDI / HDMI CROSS CONVERTER
with Scaling and Frame Rate Conversion

PRODUCT FEATURES

- The MD-HX is a small low power portable converter encased in a solid robust aluminium case and does not contain a noisy fan. Allowing it to be used in almost any environment.
- Support 204 VESA Formats via the HDMI input
- Professional 3G/HD/SD Test Pattern Generator with:
 - 41 Selectable Output Formats
 - 58 Test Patterns including Luma and Chroma Zone-plates
- Allows either of the HDMI or SDI outputs to be simultaneously sourced from either the HDMI or SDI input or the new 2K Motion Adaptive Scaling Engine.
- The 2K Motion Adaptive Scaling Engine can be driven by either the SDI or HDMI input, supports horizontal and/or vertical flipping.
- The 2K Motion Adaptive Scaling Engine can scale and/or frame rate convert between any of the following 41 formats:
 - (1920 or 2048) x 1080p50/59.94/60 via HDMI or 3G-SDI (A or B)
 - 1920 x 1080i60/59.94/50 via HDMI or HD-SDI
 - (1920 or 2048) x 1080p30/29.97/25/24/23.98 via HDMI or HD-SDI
 - (1920 or 2048) x 1080psf30/29.97/25/24/23.98 via HD-SDI
 - 1280 x 720p60/59.94/50/30/29.97/25 via HDMI or HD-SDI
 - 1280 x 720p24/23.98 via HD-SDI
 - 720 x 480p59.94 or 720 x 576p50 via HDMI
 - 720 x 480i59.94 (NTSC) or 720 x 576 (PAL) via HDMI or SD-SDI
- The following Overlays are available:
 - 16-Channel Audio Metering
 - Adjustable Safe Title and Safe Action and Static Center Cross
 - UMD Text
 - Format Status
- Audio Tone Generator
- The MD-HX is a truly portable converter, that incorporates our new easy to use LCD and button control system. This gives you easy access to all of the amazing features that have been unavailable without a computer until now. The days of having to play with annoying dip switches or having to carry around a computer to change a simple setting are gone.
- This unit also includes:
 - USB port for control and firmware updates
 - Metal Thread Locking DC Power Socket
 - Power Supply, HDMI Cable and USB Cable



SPECIFICATIONS

SDI FORMATS	3G-A or 3G-B: SMPTE 424M@2.97 and 2.967Gb/s • (1920 or 2048) x 1080p@60/59.94/50Hz HD:SMPTE 292M/274M/296M@1.485 and 1.435Gb/s • 1920 x 1080i@60/59.94/50Hz • (1920 or 2048) x 1080p/psf@30/29.97/25/24/23.98Hz • 1280 x 720p@60/59.94/50/30/29.97/25/24/23.98Hz SD:SMPTE 259M@270Mb/s • 720 x 576 (PAL) • 720 x 480i59.94 (NTSC)	HDMI INPUTS	• VESA Formats • (1920 or 2048) x 1080p@60/59.94/50/30/29.97/25/24/23.98Hz • 1920 x 1080i@60/59.94/50Hz • 1280 x 720p@60/59.94/50/30/29.97/25 • 720 x 480p59.94 or 720 x 576p50 • 720 x 480i59.94 (NTSC) or 720 x 576 (PAL)
		INPUTS	• 1 x HDMI input • 1 x (3G/HD/SD)-SDI input
		OUTPUTS	• 1 x HDMI • 2 x (3G/HD/SD)-SDI Active Loop-through or addition outputs • 2 x (3G/HD/SD)-SDI outputs
LCD / BUTTON MENU OPTIONS	• SDI output source from HDMI IN, SDI IN, Scaler • SDI output 1 is loop • HDMI output type and source from HDMI IN, SDI IN, Scaler • Scaler source, reference, format and Aspect Controls • Audio pair routing for HDMI and SDI output • LCD backlight off time • Back to Status time	POWER	• +5V to +32V DC • Positive Centre Pin
		DIMENSIONS	79.5mm x 123mm x 29.5mm (3.1" x 4.8" x 1.2")

www.decimator.com

Innovative Future-Proof Solutions

Copyright © 2014-2026 DECIMATOR DESIGN PTY LTD MD-HX BROCHURE V2.0