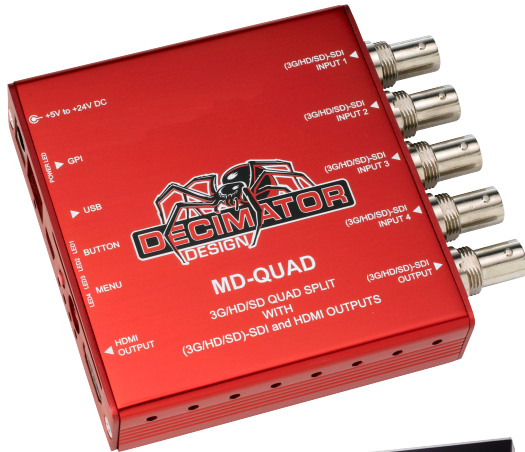


# MD-QUAD

VERSION 3

Miniature (3G/HD/SD)-SDI Quad-Split / Multiviewer  
with (3G/HD/SD)-SDI and HDMI Outputs

## PRODUCT FEATURES



- Supports 3G level A and B on inputs and output, allowing conversion between 3G level A and B
- Low cost (3G/HD/SD)-SDI 1 to 4 Multi-Viewer or 4 to 1 input multiplexer
- Custom Layouts with various standard layouts
- 16 Character UMD overlay per window with individual enables, custom positioning and size
- 8 Channel Audio Metering overlay per window with individual enables, custom positioning and size
- Horizontal and/or Vertical image flipping per window
- Audio ID overlay
- Tallies can be applied to either Tally Boxes (Default) or Border
- Tally boxes allows for up to 4 Tallies per window
- Fast switching between inputs using Full-Screen scaling
- Selectable output format in both Full-Screen Multi-Viewer mode
- Low latency buffering for each input allowing non-synchronous inputs
- Linked (3G/HD/SD)-SDI and HDMI outputs
- 4 x (3G/HD/SD)-SDI inputs with auto detection (26 Formats supported in total)
- Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously
- Variable aspect ratios per window
- Professional 3G/HD/SD Test Pattern Generator featuring 54 Test Patterns including Luma and Chroma Zone-plates
- Audio Tone Generator
- In Pass-Through mode the selected input is passed through to both the (3G/HD/SD)-SDI and HDMI outputs
- An extensive selection of user controllable functions via an easy to use rotary encoder for menu selection. LEDs and a push button can then be used for status and control
- On-screen display pop-up when using the rotary to allow for use when without a PC
- This unit also includes:
  - GPI on RJ-45 connector for Tallies and Remote Switching
  - RS422/485 on RJ-45 connector for Dynamic UMD and Tallies
  - USB port for control and firmware updates
  - Locking DC Power Socket
  - Power Supply, HDMI Cable and USB Cable

## SPECIFICATIONS

<b>SDI FORMATS</b>	3G:SMPTE 424M@2.97 and 2.967Gb/s • 1080p@60/59.94/50Hz HD:SMPTE 292M/274M/296M@1.485 and 1.435Gb/s • 1080i@60/59.94/50Hz • 1080p/psf@30/29.97/25/24/23.98Hz • 720p@60/59.94/50/30/29.97/25/24/23.98Hz SD:SMPTE 259M@270Mb/s • 625i50 (PAL) • 525i59.94 (NTSC)	<b>MENU OPTIONS</b>	• Input status for all 4 inputs • Output format • Output selection of Quad Split or input 1, 2, 3 or 4. • Output aspect and type of 16:9 or 4:3 at either 90 or 100% of screen size • Individual aspect format for each input of Same as output, Letter-box or Pillar-box • Border Enable • Quad split mode reference of either Free-run or input 1 • Enables for On-Screen Overlays • Basic Audio Meter control
<b>INPUTS</b>	• Input Equalization > 100M using Belden 1694A • USB for control and updates • GPI on RJ-45	<b>OUTPUTS</b>	• 1 x 10-bit (3G/HD/SD)-SDI Re-clocked • HDMI Type A
<b>LED STATUS</b>	• Power • 4 x Signal lock and rate	<b>DIMENSIONS</b>	90mm x 94mm x 23mm (3.5" x 3.7" x 0.9")
<b>POWER</b>	• +5V to +24V DC, 6 Watts • Positive Centre Pin		

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