



# DECIMATOR 2

EXTREMELY LOW COST MINIATURE  
(3G/HD/SD)-SDI to HDMI with De-Embedded Analogue Audio  
and NTSC/PAL Down-Converted Outputs

## PRODUCT FEATURES



- Auto detects 3G, HD or SD (26 Formats in total) and can handle switching of synchronous sources
- HDMI output
  - The input is passed unscaled
- De-Embedded Analogue Audio is output on 2 x RCA connectors at -10dBu = -20dBFS.
- Down-converted Composite output
  - NTSC or PAL is selectable for 3G/HD inputs
  - SD will be passed unchanged.
  - Low latency 3G/HD to SD Down-conversion with ARC (Aspect Ratio Conversion) of either:
    - i) 16:9 to 16:9 Anamorphic
    - ii) 16:9 to 4:3 Letterbox
    - iii) 16:9 to 4:3 Centre Cut (Crop to 4:3)
  - Full 10-bit data path and multipoint interpolation
  - 16 times over-sampling for Composite Output
- 3G/HD/SD-SDI Active Loop-Through Output
- External Dipswitch Configuration
- USB port for control and updates
- Locking DC Power Socket
- The following is also included with the unit:  
Power Supply, HDMI Cable, USB Cable and Mounting Bracket

## SPECIFICATIONS

|                      |  |                            |   |
|----------------------|--|----------------------------|---|
| <b>VIDEO FORMATS</b> | 3G: SMPTE 424M@2.97 and 2.967Gb/s <ul style="list-style-type: none"> <li>• 1080p@60/59.94/50Hz</li> </ul> HD: SMPTE 292M/274M/296M@1.485 and 1.435Gb/s <ul style="list-style-type: none"> <li>• 1080i@60/59.94/50Hz</li> <li>• 1080p/psf@30/29.97/25/24/23.98Hz</li> <li>• 720p@60/59.94/50/30/29.97/25/24/23.98Hz</li> </ul> SD: SMPTE 259M@270Mb/s <ul style="list-style-type: none"> <li>• 625i50</li> <li>• 525i59.94</li> </ul> | <b>DIP SWITCH CONTROLS</b> | <ul style="list-style-type: none"> <li>• NTSC or PAL Selection</li> <li>• SD Pedestal</li> <li>• Crop 16:9 to 4:3</li> <li>• 16:9 or 4:3 Aspect Selection</li> <li>• Stereo Pair selection for RCA Analogue Audio</li> <li>• HDMI Output format select</li> </ul> |
| <b>INPUTS</b>        | <ul style="list-style-type: none"> <li>• (3G/HD/SD)-SDI 10-bit</li> <li>• Conditional Maximum Equalization cable length of 400M for SDI, 200M for HD-SDI and 100M 3G-SDI using Belden 1694A</li> </ul>   | <b>OUTPUTS</b>             | <ul style="list-style-type: none"> <li>• HDMI</li> <li>• SD-Composite</li> <li>• 1 x (3G/HD/SD)-SDI Active Loop-Through</li> <li>• 2 x RCA for De-embedded Analogue Audio (20dBFS=-10dBu)</li> </ul>  |
| <b>LED STATUS</b>    | <ul style="list-style-type: none"> <li>• Power</li> <li>• Signal Lock</li> </ul>   | <b>DIMENSIONS</b>          | 90mm x 71mm x 23mm (3.5" x 2.8" x 0.9")   |
| <b>POWER</b>         | <ul style="list-style-type: none"> <li>• +5V to +24V DC, ~4 Watts</li> <li>• Positive Centre Pin</li> </ul>  |                            |   |

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