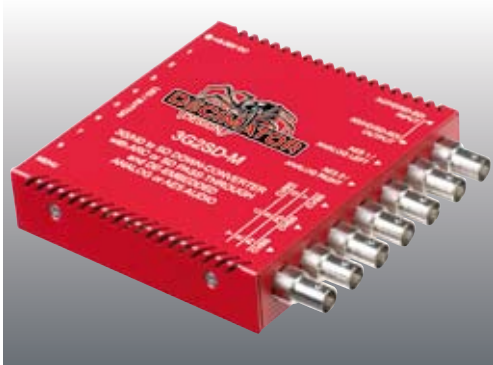




# 3G2SD-M

3G/HD to SD DOWN-CONVERTER with ARC  
or SD PASS-THROUGH  
and DE-EMBEDDED ANALOG or AES AUDIO

## PRODUCT FEATURES



Coming soon to the openGear platform shown below



- Down-converted output format is either automatic (PAL for 1080p50, 1080i50, 1080psf25, 1080p25, 720p50, 720p25 and NTSC for all others) or selectable between NTSC or PAL
- Auto detects 3G, HD or SD (26 Formats in total) and can handle switching of synchronous sources
- On-screen display of input and output format.
- Low latency 3G/HD to SD Down-conversion with ARC (Aspect Ratio Conversion)
- SD Pass-through
- Full 10-bit data path and multipoint interpolation
- 3G/HD/SD-SDI Re-clocked Loop-through output
- Selectable audio output: AES or Analog with adjustable analog audio level
- Selectable analog video from: 3 x CVBS / YPbPr / RGB / CVBS & YC
- Safe Action, Title and Centre Cross Generator
- 32 Video Test Patterns, including 4 Moving and 4 Static Zoneplates
- Tone / Broken Tone Audio Generator
- 12-bit D/A Conversion with 16 times over-sampling for SD output
- Dolby E™ Transparent
- An extensive selection of user controllable functions via an easy to use rotary encoder for menu selection. LEDs and push buttons can then be used for status and control
- Locking DC Power Socket

## 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>CONTROLS</b>	<ul style="list-style-type: none"> <li>• Analog output selection of 3 x CVBS / YPbPr / RGB / Composite &amp; S-Video</li> <li>• SD Pedestal</li> <li>• 4:3, 16:9 &amp; 14:9 Safe Action, Title and Centre Cross Generator</li> <li>• 2x Unbalanced AES/EBU or 2x Analog Outputs</li> <li>• Adjustable analog audio levels</li> <li>• Selection of any of the 8 Audio Stereo Pairs</li> <li>• Output Format</li> <li>• Anamorphic, Letterbox and Centre Cut output</li> <li>• 32 Test Patterns</li> <li>• Broken / Unbroken Audio Test Tone</li> </ul>
<b>INPUTS</b>	<ul style="list-style-type: none"> <li>• 3G/HD/SD-SDI 10-bit</li> <li>• Input Equalization ~ 350M for SDI, ~200M for HD-SDI or ~120M 3G-SDI using Belden 1694A</li> </ul>	<b>OUTPUTS</b>	<ul style="list-style-type: none"> <li>• 1 x 3G/HD/SD-SDI Re-clocked Loop-Through</li> <li>• AES 1 / Unbalanced Analogue Audio - Left</li> <li>• AES 2 / Unbalanced Analogue Audio - Right</li> <li>• SDTV: (3 x CVBS) / (Y, Pb, Pr) / (G, B, R) / (CVBS, Y &amp; C)</li> </ul>
<b>LED STATUS</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Signal Lock</li> </ul>	<b>DIMENSIONS</b>	4.3" x 3.9" x 1" or (110mm x 100mm x 25mm)
<b>POWER</b>	<ul style="list-style-type: none"> <li>• +5V to +20V DC, 4 Watts</li> <li>• Positive Centre Pin</li> </ul>		

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