

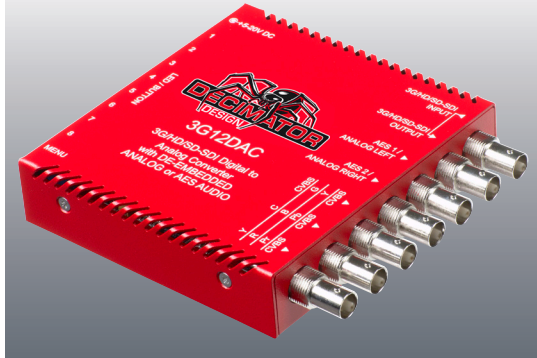


# 3G12DAC

3G/HD-SDI to HD-Component  
or SD-SDI to Component/Composite DAC  
with DE-EMBEDDED ANALOG or AES AUDIO

## PRODUCT FEATURES

- Down-Converts 3G-SDI to HD-Component (1080p to 1080i Interlaced)
- Converts HD-SDI to HD-Component
- Converts SD-SDI to SD-Component or SD-Composite
- Auto detects 3G, HD or SD (26 Formats in total) and can handle switching of synchronous sources
- On-screen display of input format.
- 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
- Tone / Broken Tone Audio Generator
- 12-bit Video D/A Conversion
- 2 and 16 times over-sampling for HD and SD respectively
- 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



Coming soon to the openGear platform shown below



## 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>• Broken / Unbroken Audio Test Tone</li> <li>• VBI Enable/Disable</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>• (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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