



3G2SD

3G/HD to SD DOWN-CONVERTER with ARC
and SD PASS-THROUGH

PRODUCT FEATURES



Similar to the MDC-1000 available in 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
- 3G/HD/SD-SDI Re-clocked Loop-through output
- Full 10-bit data path and multipoint interpolation
- 8 Channels of Audio passed as 20 or 24-bit
- 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

VIDEO FORMATS	3G: SMPTE 424M@2.97 and 2.967Gb/s <ul style="list-style-type: none"> • 1080p@60/59.94/50Hz HD: SMPTE 292M/274M/296M@1.485 and 1.435Gb/s <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 625i50 • 525i59.94 	CONTROLS	<ul style="list-style-type: none"> • Analog output selection of 3 x CVBS / YPbPr / RGB / Composite & S-Video • SD Pedestal • 4:3, 16:9 & 14:9 Safe Action, Title and Centre Cross Generator • Output Formats • Anamorphic, Letterbox and Centre Cut output • 32 Test Patterns • Embedded Broken / Unbroken Audio Test Tone
INPUTS	<ul style="list-style-type: none"> • 3G/HD/SD-SDI 10-bit • Input Equalization ~ 350M for SDI, ~200M for HD-SDI or ~120M 3G-SDI using Belden 1694A 	OUTPUTS	<ul style="list-style-type: none"> • 1 x 3G/HD/SD-SDI Re-clocked Loop-Through • 2 x 10-bit SD-SDI Re-clocked • SDTV: (3 x CVBS) / (Y, Pb, Pr) / (G, B, R) / (CVBS, Y & C)
LED STATUS	<ul style="list-style-type: none"> • Power • Signal Lock 	DIMENSIONS	4.3" x 3.9" x 1" or (110mm x 100mm x 25mm)
POWER	<ul style="list-style-type: none"> • +5V to +20V DC, 4 Watts • Positive Centre Pin 		

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