



MDC-1000 SETTINGS

Description:

The 3G2SD-RDA is a broadcast quality 3G/HD Down-Converter with SD Pass-through. There are three groups of two SDI outputs that can be selected to output either the reclocked SDI input or the down-converted input. There is also a down-converted analogue video output for either three composite video outputs, component (YPbPr/RGB) or composite/S-Video.

Additional features for the down-converted SD outputs include anti-filter control, aspect ratio control, 32 SD Test Pattern generator, Embedded Audio Test Tone Generator, Safe Title and Safe Action Graticule Generators.

INPUT AND OUTPUTS

Rear:

BNC 1 = SDI INPUT	BNC 2 = SDI OUTPUT 1
BNC 3 = SDI OUTPUT 2	BNC 4 = SDI OUTPUT 1
BNC 5 = SDI OUTPUT 2	BNC 6 = SDI OUTPUT 3
BNC 7 = CVBS/Y/G/CVBS	BNC 8 = SDI OUTPUT 3
BNC 9 = CVBS/Pr/R/Y	BNC 10 = CVBS/Pb/B/C

Front:

Front connector is SDI OUTPUT 3

DIP SWITCHES SET 1

Switch	Description	OFF	ON
1	Dip Switch Override	Disabled	Enabled
2	Rear Connector 2 & 4 Output	Down-Converted SD	Reclocked HD/SD
3	Rear Connector 3 & 5 Output	Down-Converted SD	Reclocked HD/SD
4	Rear Connector 6 & 8 Output	Down-Converted SD	Reclocked HD/SD
5	Front Connector Output	Down-Converted SD	Reclocked HD/SD

Rear Connector 7	Rear Connector 10	Rear Connector 9	Switch 6	Switch 7
Composite	Composite	Composite	OFF	OFF
Y	Pb	Pr	OFF	ON
G	B	R	ON	OFF
Composite	Y	C	ON	ON

Switch	Description	OFF	ON
8	Safe Action Graticule Enable	OFF	ON
9	Safe Title Graticule Enable	OFF	ON
10	Centre Cross Enable	OFF	ON

DIP SWITCHES SET 2

Graticule Aspect Ratio	Switch 1	Switch 2	Switch 3
Graticule and Raster the same	OFF	OFF	OFF
4:3 Graticule on 16:9 Raster	OFF	OFF	ON
4:3 Graticule on 14:9 Raster	OFF	ON	OFF
16:9 Graticule on 4:3 Raster	OFF	ON	ON
16:9 Graticule on 14:9 Raster	ON	OFF	OFF
14:9 Graticule on 4:3 Raster	ON	OFF	ON
14:9 Graticule on 16:9 Raster	ON	ON	OFF
Graticule and Raster the same	ON	ON	ON

Switch	Description	OFF	ON
4	Down converter & Test Pattern Output Format	625i50	525i59.94
5	Down converted aspect format for 4:3 and 14:9. 16:9 will be Anamorphic for both switch positions.	Letterbox	Centre Cut

Down Converted SD Output Aspect Ratio	Switch 6	Switch 7
4:3	OFF	OFF
16:9	OFF	ON
14:9	ON	OFF
4:3	ON	ON

Anti-Alias Filter Level	Switch 8	Switch 9
Low	OFF	OFF
Medium	OFF	ON
High	ON	OFF
Very Low	ON	ON

DIP SWITCHES SET 3

Switch	Description	OFF	ON
1	SD Pedestal Enable	OFF	ON
2	Embedded Audio Resolution	20-bit	24-bit
3	EDH Enable	ON	OFF
4	709 to 601 Colour Conversion Enable	ON	OFF
5	Clip Colours after Conversion	OFF	ON

Audio Test Signals	Switch 9	Switch 10
Off	OFF	OFF
1kHz on Group1, Pair 1 only	OFF	ON
Pair 1 = 1kHz Tone Pair 2 = 500Hz Tone Pair 3 = 1kHz Broken Tone Pair 4 = 500Hz Broken Tone	ON	OFF
1kHz Tone on Left for Pair 1, 2, 3 & 4 1kHz Broken Tone on Right for Pair 1, 2, 3 & 4	ON	ON

DIP SWITCHES SET 4

	Description	OFF	ON
1	Test Pattern Enable	OFF	ON

Switch 6	Switch 7	Switch 8	Switch 9	Switch 10	Test Pattern
OFF	OFF	OFF	OFF	OFF	Colour Bars 100/0/100/0
OFF	OFF	OFF	OFF	ON	Colour Bars 100/0/75/0
OFF	OFF	OFF	ON	OFF	Colour Bars 75/0/75/0
OFF	OFF	OFF	ON	ON	Colour Bars 100% & Red
OFF	OFF	ON	OFF	OFF	SMPTE Colour Bars
OFF	OFF	ON	OFF	ON	Pathological Equalizer & PLL
OFF	OFF	ON	ON	OFF	4:3 square
OFF	OFF	ON	ON	ON	16:9 square
OFF	ON	OFF	OFF	OFF	5 Step staircase
OFF	ON	OFF	OFF	ON	valid 5 step modulated staircase
OFF	ON	OFF	ON	OFF	limit ramp
OFF	ON	OFF	ON	ON	shallow ramp
OFF	ON	ON	OFF	OFF	multiburst 60% sweep with markers
OFF	ON	ON	OFF	ON	full fieldline 17 ITS
OFF	ON	ON	ON	OFF	convergence
OFF	ON	ON	ON	ON	tartan bars
ON	OFF	OFF	OFF	OFF	1 field in 8 white
ON	OFF	OFF	OFF	ON	white
ON	OFF	OFF	ON	OFF	black
ON	OFF	OFF	ON	ON	red
ON	OFF	ON	OFF	OFF	green
ON	OFF	ON	OFF	ON	blue
ON	OFF	ON	ON	OFF	magenta
ON	OFF	ON	ON	ON	cyan
ON	ON	OFF	OFF	OFF	Static X Frequency Sweep Lo Zoneplate
ON	ON	OFF	OFF	ON	Static X Frequency Sweep Hi Zoneplate
ON	ON	OFF	ON	OFF	Static Y Frequency Sweep Zoneplate
ON	ON	OFF	ON	ON	Moving X Bars Zoneplate
ON	ON	ON	OFF	OFF	Moving Y Bars Zoneplate
ON	ON	ON	OFF	ON	Moving XY Bars Zoneplate
ON	ON	ON	ON	OFF	Static Circular Zoneplate
ON	ON	ON	ON	ON	Moving Circular Zoneplate