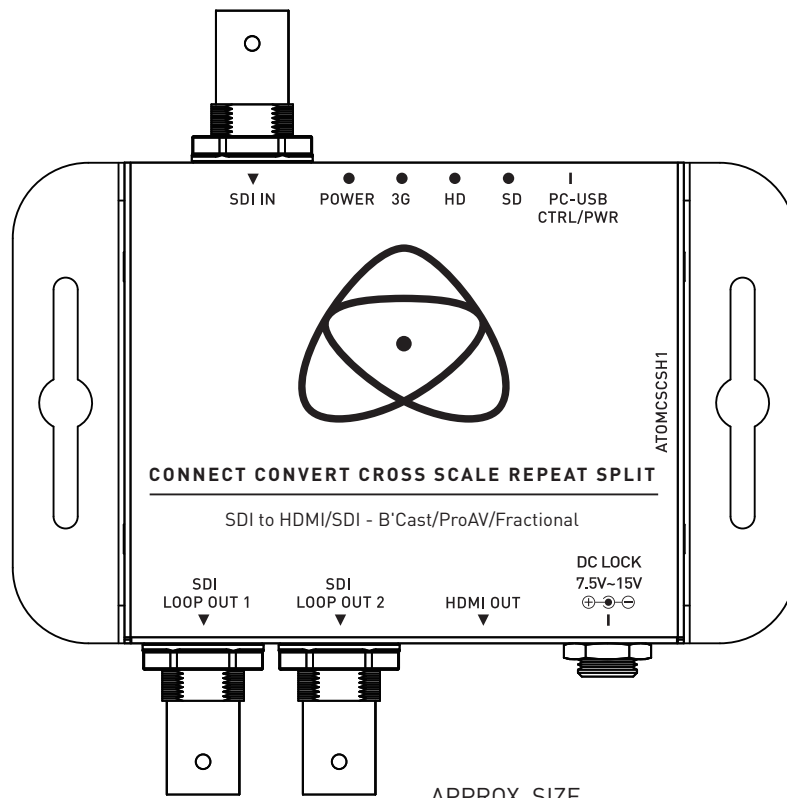




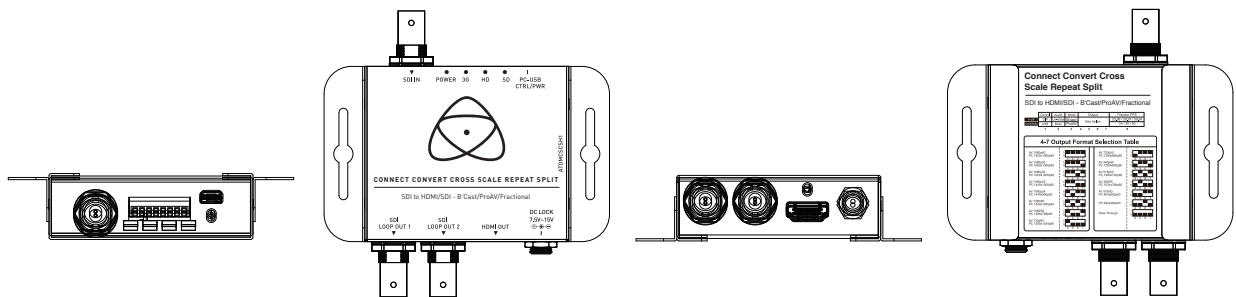
ATOMCSC-SH1

CONNECT CONVERT CROSS SCALE REPEAT SPLIT

SDI TO HDMI/SDI - B'CAST/PROAV/FRACTIONAL



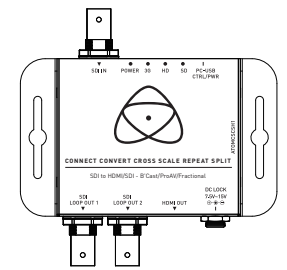
APPROX. SIZE



DATASHEET

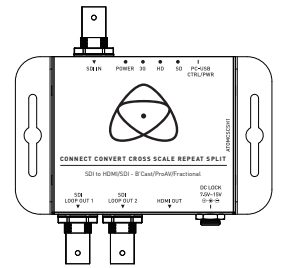
ATOMCSC-SH1

CONNECT CONVERT CROSS SCALE REPEAT SPLIT SDI TO HDMI



CONNECT CONVERT SCALE SDI TO HDMI	
FEATURES	Converts from SDI to HDMI
	Provides Two Re-Clocked SDI Outputs
	Auto Source Format Detection (3G/HD/SD)
	Built-In Hardware Scaling Engine with Anti-Aliasing
	Simultaneous 1xHDMI and 2xSDI Output
	Re-Clock Function (for SDI Output)
	Test pattern output with multiple pattern options
	ConnectOS, PC Application for USB Control and added Settings
	Custom Regions of interest selection with dot by dot or full screen scaling
	Proc Amp Control adjustments - Brightness, Contrast, Hue, Saturation
	Low operating temperature
	1 Year Warranty - Upgradeable to 3 Years on Registration
	DC or USB powerable
	Detachable Rack Ears
Firmware Upgradeable Through Micro-USB Port	
PHYSICAL FEATURES	74mm x 22mm x 63.6mm (W x H x D)
	104mm (W inc. detachable rack ears)
	188g (single unit)
	210.2g (inc. detachable rack ears)
	22.2g (detachable rack ears only)
SDI INPUT	SD-SDI
	720 x 480 i 59.94, 720 x 576 i 50,
	HD-SDI
	1280 x 720 p 59.94 / p 60 / p 50
	1920 x 1080 i 59.94 / i 60 / i 50,
	1920 x 1080 p 23.98 / p 24 / p 25 / p 29.97 / p 30,
	3G-SDI
	3G-SDI Level A: 1920 x 1080 p 59.94 / p 60 / p 50
	3G-SDI Level B-DL: 1920 x 1080 p 59.94 / p 60 / p 50
	3G - SDI Level B - DS 2 x SMPTE ST 292 - 1 (HD - SDI)
Dual-stream mapping not supported	
HDMI OUTPUT	SD CEA 861
	720 x 480 i 59.94, 720 x 576 i 50,
	720 x 480 p 59.94 / p 60, 720 x 576 p 50,
	HD
	1280 x 720 p 59.94 / p 60 / p 50,
	1920 x 1080 i 59.94 / i 60 / i 50,
	1920 x 1080 p 23.98 / p 24 / p 25 / p 29.97 / p 30,
	1920 x 1080 p 59.94 / p 60 / p 50
	VESA
	640 x 350 p 85, 640 x 400 p 85, 640 x 480 p 59.94 / p 60 / p 72 / p 75 / p 85
	720 x 400 p 85, 800 x 600 p 56 / p 60 / p 72 / p 75 / p 85
	1024 x 768 p 60 / p 70 / p 75 / p 85, 1152 x 864 p 70 / p 75,
	1280x768p75 / p85, 1280x800p60, 1280x960p60 / p75 / p85
	1280 x 1024 p 60 / p 75 / p 85, 1360 x 768 p 60, 1366 x 768 p 60
	1400 x 1050 p 50 / p 60 / p 75, 1600 x 1200 p 50 / p 60, 1680 x 10 50 p 60, 1920 x 1200 RBp
RBp is Reduced Blanking timings of VESA CVT	
Pass Through mode: Delay, Latency	

CONNECT CONVERT CROSS SCALE REPEAT SPLIT SDI TO HDMI



PASS THROUGH MODE COMPATIBLE FORMAT	SD	
	720 x 480 i 59.94, 720 x 576 i 50,	
	HD	
	1280 x 720 p 59.94 / p 60 / p 50,	
	1920 x 1080 i 59.94 / i 60 / i 50,	
	1920 x 1080 p 23.98 / p 24 / p 25 / p 29.97 / p 30,	
	3G-SDI	
	3G Level A: 1920 x 1080 p 59.94 / p 60 / p 50 3G Level B-DL: 1920 x 1080 p 59.94 / p 60 / p 50 In the Pass Through mode, the scaler is bypassed and it does not correspond to the OSD scaling displayed 3G-SDI Level B-DS is not compatible with PassThrough	
SDI INPUT	3G-SDI Level A Direct image format mapping (SMPTE 425M) 3G-SDI Level B-DL SMPTE ST 372 Dual Link mapping (SMPTE 425 M) HD-SDI (SMPTE 292 M) SD-SDI (SMPTE 259 M)	
	SDI THROUGH OUTPUT	Equalizer / reclock is always active
	HDMI OUTPUT	HDMI Ver.1.3a, HDCP Compliant, CEC non-compliant, DeepColor not supported, color space RGB / YCbCr 444 / YCbCr 422 compatible
	AUDIO INPUT	HDMI embedded audio (LPCM, Max. 8 ch, sampling frequency 32 to 192 kHz * Resample to 48 kHz)
AUDIO OUTPUT	SDI embedded audio (LPCM Max. 8 ch, 48 kHz)	
TIME CODE	Embedded Time code is available in Loop out but is not passed through on converted output	
I / O DELAY	Scaler mode: Latency	
	Pass Through mode: Up to 2 lines	
DC INPUT VOLTAGE	7.5V - 15V DC (Barrel Connector, 5.5mm, 2.1mm Center)	
OPERATING TEMPERATURE	0° C to 50° C (32° F to 122° F)	