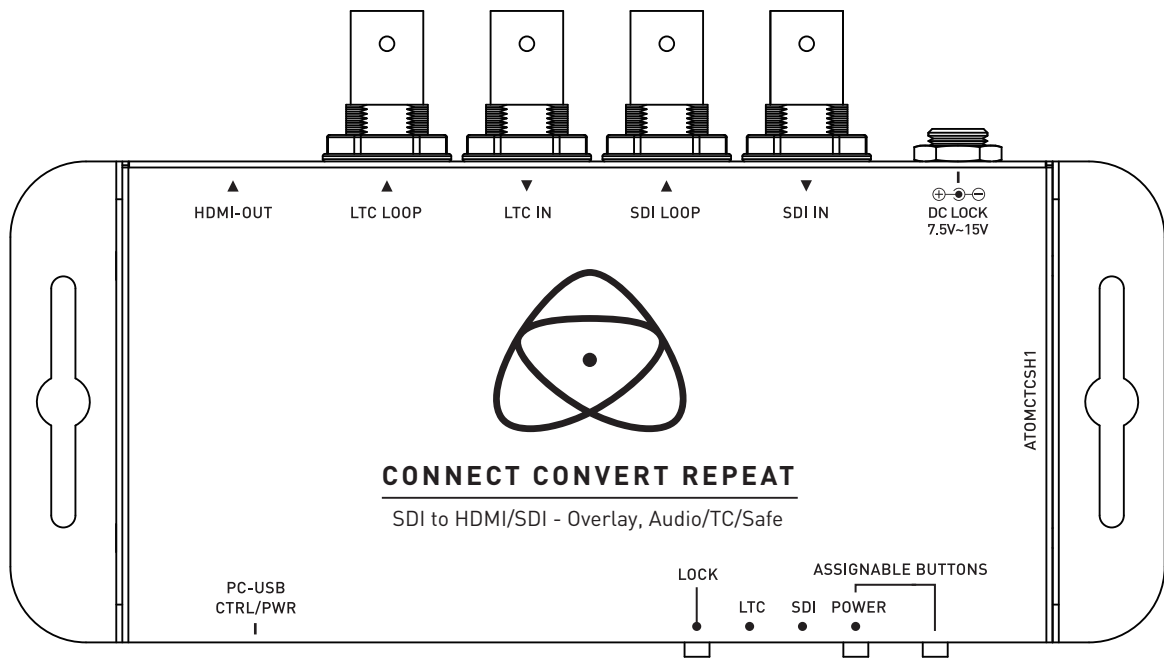




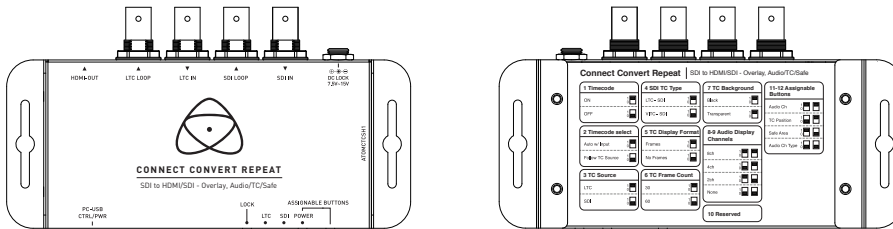
ATOMCTC-SH1

CONNECT CONVERT REPEAT

SDI TO HDMI/SDI - OVERLAY, AUDIO/TC/SAFE



APPROX. SIZE

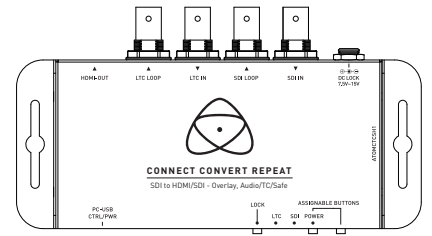


DATASHEET

ATOMCTC-SH1

CONNECT CONVERT REPEAT

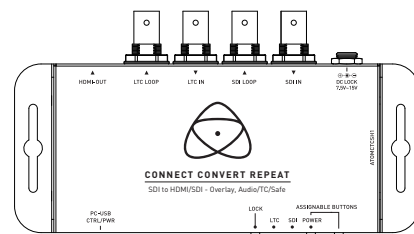
SDI TO HDMI/SDI - OVERLAY, AUDIO/TC/SAFE



| CONNECT CONVERT REPEAT SDI TO HDMI/SDI - OVERLAY, AUDIO/TC/SAFE | |
|---|---|
| FEATURES | Converts from SDI to HDMI |
| | Auto Source Format Detection (3G/HD/SD) |
| | Built-In Hardware Scaling Engine with Anti-Aliasing |
| | ConnectOS, PC Application for USB Control and added Settings |
| | Simultaneous 1xHDMI and 1xSDI Output |
| | Re-Clock Function (for SDI Output) |
| | Test pattern output with multiple pattern options |
| | 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 |
| | Locking DC Connector for DC Power |
| | Detachable Rack Ears |
| Firmware Upgradeable Through Micro-USB Port | |
| PHYSICAL FEATURES | 123mm x 22mm x 63.6mm (W x H x D) |
| | 153mm (W inc. detachable rack ears) |
| | 275.5g (single unit) |
| | 297.7g (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 A, Level B-DL selection is BoxCenter |
| 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 | |

CONNECT CONVERT REPEAT

SDI TO HDMI/SDI - OVERLAY, AUDIO/TC/SAFE



| | | |
|--|---|---|
| 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 OUPUT | HDMI Ver.1.3a, HDCP not supported, 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 | HDMI Output with Embedded Time Code added can be embedded from either the SDI Input Embedded TC or from the LTC Generator Input | |
| I / O DELAY | Scaler mode: Up to 2 frames. | |
| | 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) | |