

Atlona AT-3GSDI-HD Atlona 3G/HD/SD-SDI to HDMI Converter

Atlona 3G/HD/SD-SDI to HDMI Converter Model: AT-3GSDI-HD

Atlona AT-3GSDI-HD provides a cost effective way to convert 3G/HD/SD-SDI signal to HDMI compliant format. The conversion between SDI and HDMI is pure digital and guarantees lossless transformation for both audio and video. Unit supports 8 channels, 7.1 channel or 5.1 channel audio. The AT-3GSDI-HD also provides 2 low jitter and re-clocked outputs for daisy chain or multiple monitors.

Features:

- Supported 3G formats (SMPTE 425M, Level A):
1080p @50/59.94/60Hz (4:2:2),
1080p @24/25/30Hz (4:4:4),
1080i @50/59.94/60Hz (4:4:4),
720p @24/25/50/59.94/60Hz (4:4:4)
- Supported high-definition (HD) formats:
1080i @50/59.94/60Hz,
1035i@50/59.94/60Hz,
720p @50/59.94/60Hz
- Supported standard-definition (SD) formats:
NTSC @59.94Hz, PAL @50Hz
- Auto 3G/HD/SD-SDI detection
- 2 equalized and re-clocked loop outputs
- External DIP Switch Configuration

Specifications:

- *SDI standards:* SD-SDI, HD-SDI & 3G-SDI
- *Auto 3G/HD/SD-SDI detection:* Yes
- *Video bandwidth:* 2.970Gpbs, 2.970/1.001Gbps
- *Video support:*
[3G] – 1080p @50/59.94/60Hz (4:2:2), 1080p @24/25/30Hz (4:4:4),
1080i @50/59.94/60Hz (4:4:4), 720p @24/25/50/59.94/60Hz (4:4:4)
[HD] – 720p @50/59.94/60Hz, 1035i @50/59.94/60Hz, 1080i @50/59.94/60Hz,
1080p @24/30Hz
[SD] – NTSC @59.94Hz, PAL @50Hz
- *Input signal:*
[SD-SDI] SMPTE 259M
[HD-SDI] SMPTE 292M, 296M
[3G-SDI] SMPTE 424M/425M
- *Output signal HDMI:* Audio mode 7.1/5.1/Stereo
- *Eye pattern characteristics:* Extra low alignment jitter 0.05UI at HD
- *Cable equalization:* [3G-SDI] up to 60m (200ft) [HD-SDI] up to 150m (500ft) [SD-SDI] up to 300m (1000ft)
- *Loop-out:* 2 equalized and reclocked SDI loop-outs
- *Audio support:* Yes
- *PCB stack-up:* 4-layer board [impedance control — differential 100W; single 50W]
- *Input:* 1x BNC [SDI]
- *Output:* 1x HDMI; 2x BNC [SDI]
- *BNC connector:* 3G 75W inter-locked socket
- *HDMI connector:* Type A [19-pin female]
- *DIP switch:* 4-pin [output format / audio format / audio group / 3G level]
- *Dimensions (L x W x H):* Model 160 x 110 x 25mm [6.3"x4.3"x1"]
- *Weight:* Model 420g [15oz]
- *Package:* 1030g [2.3 lbs]
- *Fixedness Inter-locked power supply:* Power supply 5V 4A DC
- *Power consumption:* 3 Watts [max]
- *Operation temperature:* 0~40°C [32~104°F]
- *Storage temperature:* -20~60°C [-4~140°F]
- *Relative humidity:* 20~90% RH [no condensation]

Package Includes:

- 1x AT-3GSDI-HD
- 1x 5V 4A power adapter
- 1x User Manual

Warranty:

3 year manufacture warranty (parts&labor)