



ROI-SDI

AJA's ROI-SDI Scan Converter allows exceptionally high quality conversion and extraction of a Region of Interest (ROI) from a 3G-SDI input to 3G-SDI and HDMI mirrored outputs at an affordable price in a very portable form factor. With incredible image scaling, extensive aspect ratio conversion and audio functionality, ROI-SDI fulfills the growing need to customize video signals for a range of display and SDI workflow needs without sacrificing budget or space.

<https://www.aja.com/products/roi-sdi>

Video Input Formats

- (HD) 1920 x 1080i 50, 59.94
- (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1280 x 720p 50, 59.94, 60
- (SD) 625i, 50
- (SD) 525i, 49.94

Video Output Formats

- (HD) 1920 x 1080p 50, 59.94, 60, SMPTE 425-1 Level A mapping structure 1 (4:2:2 10-bit YCbCr)
- (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30
- (HD) 1920 x 1080i 50, 59.94, 60
- (HD) 1280 x 720p 50, 59.94, 60
- (SD) 625i 25
- (SD) 525i 29.97

Color Range

- Full
- SMPTE

Reference Source

- Free Run
- Ext Ref

Reference Input

- Supported reference video inputs include:
 - 1080i tri-level sync
 - 1080p tri-level sync
 - 720p tri-level sync
 - 625i Color Black
 - 525i Color Black
- 75 ohm terminating

Video Input

- 1x 3G-SDI BNC, SMPTE-259/292/424

Video Outputs

- 1x 3G-SDI BNC, loop through
- 1x 3G-SDI BNC, SMPTE-259/292/424
- 1x HDMI Type A, HDMI v1.4

HDCP

- ROI does not encode the HDMI output with HDCP encryption

Audio Output Digital

- SDI embedded audio, 24-bit, 8-Channel
- HDMI embedded audio, 24-bit, 2-Channel or 8-Channel

Audio Output Analog

- 2x Analog RCA Jack, 2-Channel

User controls

- USB port used with supplied cable and Mini-Config software application to configure device via Mac or Windows

Size (w x d x h)

- 5.77" x 4.02" x 0.9" (146.56 x 102.11 x 22.86 mm)

Weight

- 0.6 lb (0.3 kg)

Power

- Uses AJA power supply model DWP-U-R1 (included with purchase)
- 100-240V, 50/60 Hz universal input
- 5-20V DC regulated, 7 watts max



Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)