![AJA VIDEO SYSTEMS logo]

ROI-HDMI

AJA's ROI-HDMI Mini-Converter allows exceptionally high quality conversion of computer and HDMI outputs to baseband video over SDI at an affordable price and a very portable size. With extensive audio functionality, incredible image scaling as well as aspect and frame rate conversion, ROI-HDMI fulfills the growing need to properly incorporate computer signals into the video world without sacrificing budget or space.

https://www.aja.com/products/roi-hdmi

$1245 US MSRP

Video Input Formats

- Computer Signals:
    - WUXGA (1920 x 1200) 60 Hz max
    - VGA (640 x 480) minimum
- Video Signals:
    - (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, 525i
    - (SD) 580p, 480p

Note: Frame rates limited by the 166 mHz max pixel rate of the HDMI receiver.

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 HDMI input connector (with embedded audio, up to 8 channels)

Video Outputs

- HDMI
    - 1x HDMI loop through connector (with embedded audio, up to 8 channels)
- SDI
    - 3G-SDI, SMPTE-259/292/424, 1x BNC

HDCP

- ROI-HDMI does not encode the HDMI output with HDCP encryption
- ROI-HDMI does not accept HDCP input

Audio Inputs

- 1x Analog 3.5mm TRS, 2-channel
- HDMI embedded audio, 24-bit, 8 channel

Audio Output

- SDI embedded audio, 24-bit, 2-channel or 8 channel

User Interface

- 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 0.90" (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 to 20V DC regulated, 8 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)