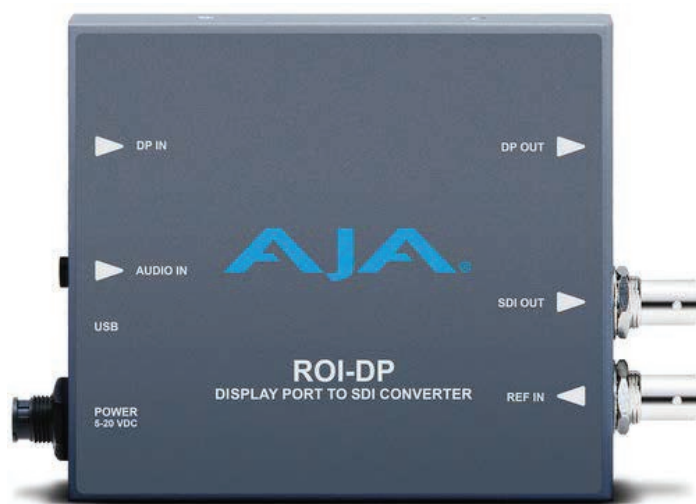


AJA DisplayPort to SDI Mini-Converter with ROI Scaling

Download Spec Sheet @ www.rentex.com/spec/XVP2305.pdf

Rentex Product No. XVP2305



Mfr Part No. ROI-DP

Efficiently incorporate DisplayPort computer signals into the video world with this compact ROI-DP DisplayPort to SDI Mini-Converter, from AJA. Using a simple-to-use free-download MiniConfig application (Mac/PC), select only the region of interest (portion of the image) you want converted, designate how you want the region scaled, and assign the aspect ratio and frame rate conversion you want.

This converter also features a 3.5mm audio input for connecting separate audio to be embedded, a genlock reference input for locking the SDI signal output, and a DisplayPort loop-through output for keeping a connection to a local DisplayPort monitor during the SDI extract.

Features

- Convert DisplayPort Signals to SDI
- Select Region of Interest
- Assign Scaling, Aspect Ratio, Frame-Rate
- 8-Channel DisplayPort Embedded Audio
- Genlock Reference Input
- DisplayPort Loop-Through Output

Detailed Specifications

Video Input Formats

Computer Signals:

WUXGA (1920 x 1200) 60 Hz max;
VGA (640 x 480) minimum
Note: Frame rates limited by the 166 mHz max pixel rate of the DP receiver

Video Signals:

(HD) 1920 x 1080i 25, 29.97;
(HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60;
(HD) 1280 x 720p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60;
(SD) 625i, 525i;
(SD) 480p, 580p

Video Output Formats

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

Video Input

1x DisplayPort 1.1a input connector

Video Outputs

1 x 3G/HD/SD-SDI on BNC ;
1 x DisplayPort loop-through

HDCP

ROI-DP does not encode the DisplayPort output with HDCP encryption;
ROI-DP does not accept HDCP input

Audio Inputs

1 x Analog 3.5mm TRS, 2-Channel;
DisplayPort embedded audio, 24-bit, 8-Channel

Audio Output

SDI embedded audio, 24-bit, 2-Channel or 8-Channel; DisplayPort embedded audio, 24-bit, 8-Channel

Color Range

Full; SMPTE

Reference Input

Permissible reference video inputs include:
1080i tri-level sync;
1080p tri-level sync;
720p tri-level sync;
PAL 625 bi-level sync;
NTSC 525 bi-level sync

Power

Uses AJA power supply model DWP-U-R1;
100-240V, 50/60 Hz Universal Input;
+5 to 20V DC regulated, 9 watts max

Dimensions (WxDxH)

5.765" x 4.02" x 0.9"

Weight

1.65lbs