

RH10UC

SD-SDI to HD-SDI Upconverter or HD Frame Synchronizer

Features at a glance

- Broadcast-Quality 10-bit SD to HD Upconverter
- Motion-adaptive de-interlacing
- Frame Synchronizer function with Genlock input
- Selectable aspect ratio conversion
- Selectable HD output format
- HD-SDI stand-alone Frame synchronizer mode
- Passed embedded audio from SD-SDI to HD-SDI
- 5-year Warranty



Tech specs

Input Formats:

- 525/59.94
- 625/50
- SMPTE 259M
- 292M

Output Formats:

- 1080i 50/59.94
- 720p 59.94 Hz
- (50Hz input requires 50 Hz output)

Upconversion:

- Motion adaptive
- Multi-point interpolation
- 10-bit processing

Inputs:

- HD/SD SDI
- BNC

Reference:

- 2 x BNC
- looping

Outputs:

- Input Loop
- 2 x BNC
- Equalized HD-SDI
- 4 x BNC

User Controls:

- Mode: Upconvert
- HD Frame Synchronizer
- Output Format
- Aspect Ratio Convert Select
- Output Timing

Physical:

- Fits AJA R-Series Frames

Power:

- 6 watts

The RH10UC is a 10-bit SD to HD up-converter or HD Frame Synchronizer. Using motion-adaptive de-interlacing and high quality digital scalars, the RH10UC provides excellent Broadcast quality HD video from SD sources. Output HD video is selectable between 720p and 1080i formats. 4:3 to 16:9 aspect ratio conversion is selectable between 4:3 pillarbox, 14:9 crop, 16:9 anamorphic, and 16:9 zoom. Input SD ITU Rec. 601 color space is converted to ITU Rec. 709. Additionally, the RH10UC can operate as a standalone HD-SDI Frame Synchronizer. The RH10UC is compatible with AJA's FR1 or FR2 frames.

