KRAMER ELECTRONICS, Ltd.
www.kramerelectronics.com

FC-340S

3G HD−SDI Scaler/Embedder/Scan Converter

The FC−340S is a broadcast−quality video scaler and audio embedder/de−embedder for digital signals up to 3G HD−SDI. The unit inputs SDI and AES/3id signals and simultaneously outputs two SDI and composite video signals while the audio embedded in the SDI input signal is output to both AES/3id and balanced stereo audio outputs.

FEATURES

- Max. Data Rate - 3Gbps.
- HDTV Compatible.
- Multi-Standard Operation - SDI (SMPTE 259M), HD−SDI (SMPTE 292M) and 3G HD−SDI (SMPTE 424M).
- Looping Video Input.
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances.
- Embedding Options - Selects embedded audio or embeds two independent audio groups.
- Flexible Control Options - Front panel with 2−row LCD, Ethernet & RS−232 (supplied with PC control software).
- Desktop Size - Compact size. 2 units can be rack mounted side−by−side in a 1U rack space with an optional RK−1 adapter.

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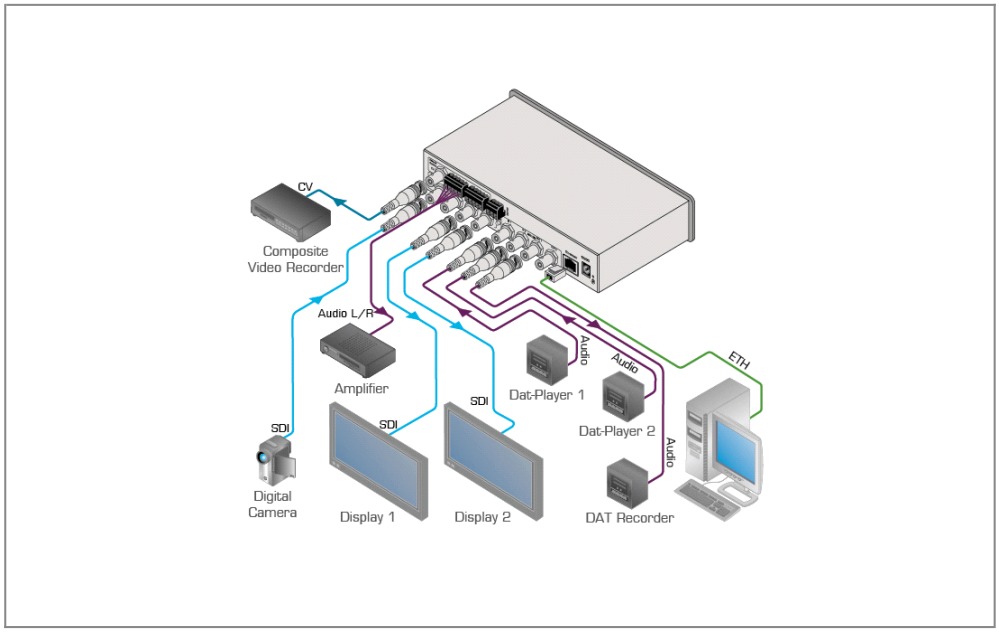
TECHNICAL SPECIFICATIONS

DIGITAL INPUTS:	1 SD/HD/3G HD−SDI with loop, 75Ω on BNC connectors; 2 AES−3id audio on BNC connectors.
DIGITAL OUTPUTS:	2 SD/HD/3G HD−SDI, 75Ω on BNC connectors; 2 AES−3id audio on BNC connectors.
ANALOG OUTPUTS:	1 composite video on a BNC connector, PAL/NTSC (according to output frame rate); 2 balanced stereo audio on 5−pin terminal blocks.
MAX. DIGITAL VIDEO INPUT/OUTPUT LEVEL:	800mVpp/75Ω.
SAMPLE CONVERSION RATE:	48kHz (digital audio).
BANDWIDTH:	20kHz (analog audio).
INPUT RESOLUTIONS:	480i @59.94, 576i @50, 720p @59.94/60/50, 1080i @59.94/60/50, 1080p @29.97/30/23.98/24, 23.98sF/24sF, 1080p @59.94/60/50.
OUTPUT RESOLUTIONS:	480i @59.94, 576i @50, 72p @59.94/60/50, 1080i @59.94/60/50, 1080p @59.94/60/50.
POWER CONSUMPTION:	12V DC, 1A.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +70°C (−40° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
DIMENSIONS:	21.5cm x 16.7cm x 4.4cm (8.46” x 6.57” x 1.73”) W, D, H.
WEIGHT:	1.6kg (3.53lbs) approx.
ACCESSORIES:	Power supply.
OPTIONS:	RK−1 19" rack adapter.