KRAMER ELECTRONICS, Ltd.
www.kramerelectronics.com

FC-340

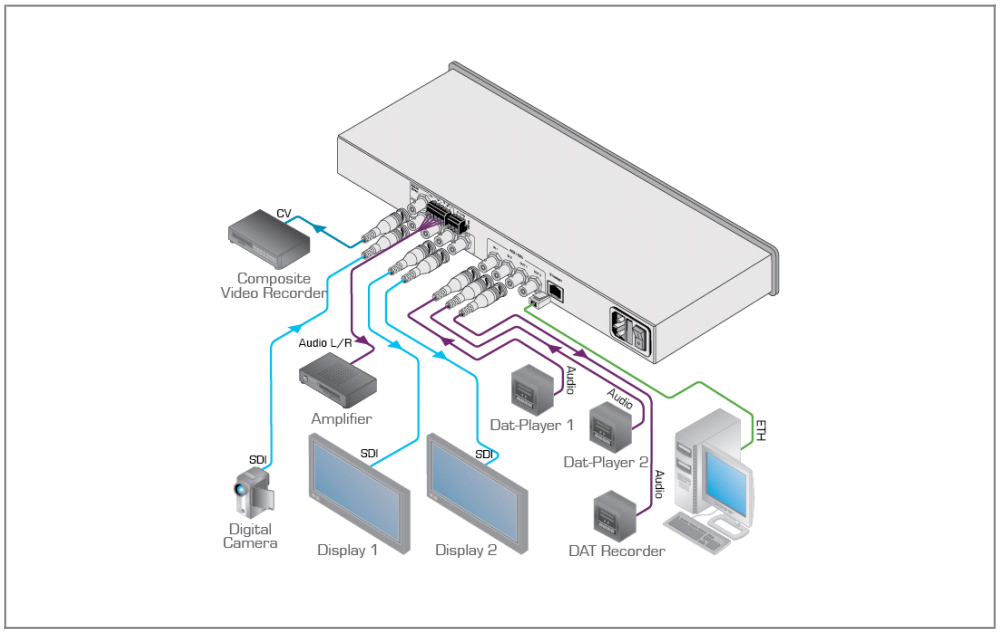
3G HD−SDI Scaler/Embedder/Scan Converter

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

FEATURES

- Max. Data Rate - 3Gbps.
- HDTV Compatible.
- Multi-Standard Operation - SDI (SMPTE 259M and SMPTE 344M), 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 buttons with 20−character LCD display, RS−232, Ethernet.
- Standard 19” Rack Mount Size - 1U. Rack "ears" included.

FC-340

TECHNICAL SPECIFICATIONS

DIGITAL INPUTS:	1 SD/HD/3G HD−SDI with loop, 75Ω on BNC connectors; 2 AES/3id on BNC connectors.
DIGITAL OUTPUTS:	2 SD/HD/3G HD−SDI, 75Ω on BNC connectors; 2 AES/3id on BNC connectors.
ANALOG OUTPUTS:	1 composite on a BNC connector, PAL/NTSC (according to output frame rate); 2 balanced stereo audio on a 5−pin terminal block.
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:	100−240V AC 50/60Hz 22VA.
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:	19” x 7.2” x 1U (W, D, H) rack mountable.
WEIGHT:	1.6kg (3.53lbs) approx.
ACCESSORIES:	Rack “ears”.