KRAMER

SP-4D
4-Channel HD-SDI Synchronizer

The SP-4D is a synchronizer for serial digital signals up to HD-SDI. The unit synchronizes up to four channels from the dedicated genlock input or any other specified channel

FEATURES

HDTV Compatible

Multi-Standard Operation - SDI (SMPTE 259M and SMPTE 344M) & HD−SDI (SMPTE 292M)

Inputs - SD, ED and all HD (up to 1080i/60 and 1080p/30), with automatic standard detection

Frame Rate Conversion - Does not change the video resolution

Genlock - 1 dedicated SDI genlock input with active loop output, common to all four channels or taken from any specific channel

Audio Embedder/De-embedder - Handles 16 audio channels per input

Flexible Control Options - Front panel buttons & RS−232 (K−Router® Windows®−based software is included)

Indicators - 40−character LCD display, signal and genlock loss LEDs

Worldwide Power Supply - 100−240V AC

TECHNICAL SPECIFICATIONS

INPUTS:	4 SD/HD−SDI, 1 genlock 75Ω on BNC connectors
OUTPUTS:	4 SD/HD−SDI, 1 genlock 75Ω on BNC connectors, 1 VGA/UXGA port on a 15−pin HD connector (YUV/RGB selectable); stereo audio on 2 RCA connectors
CONTROLS:	7 front panel buttons, RS−232
POWER CONSUMPTION:	220V AC, 27VA
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
INDICATORS:	LCD display, 5 input and genlock LEDs
PRODUCT DIMENSION:	19" x 7.20 x 1U (43.6cm x 18.30cm 4.36cm) W, D, H
PRODUCT WEIGHT:	1.8kg (4.1lbs) approx
SHIPPING DIMENSION:	55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21") W, D, H
SHIPPING WEIGHT:	2.7kg (6.0lbs) approx
INCLUDED ACCESSORIES:	Power cord, Windows®−based control software, rack "ears"