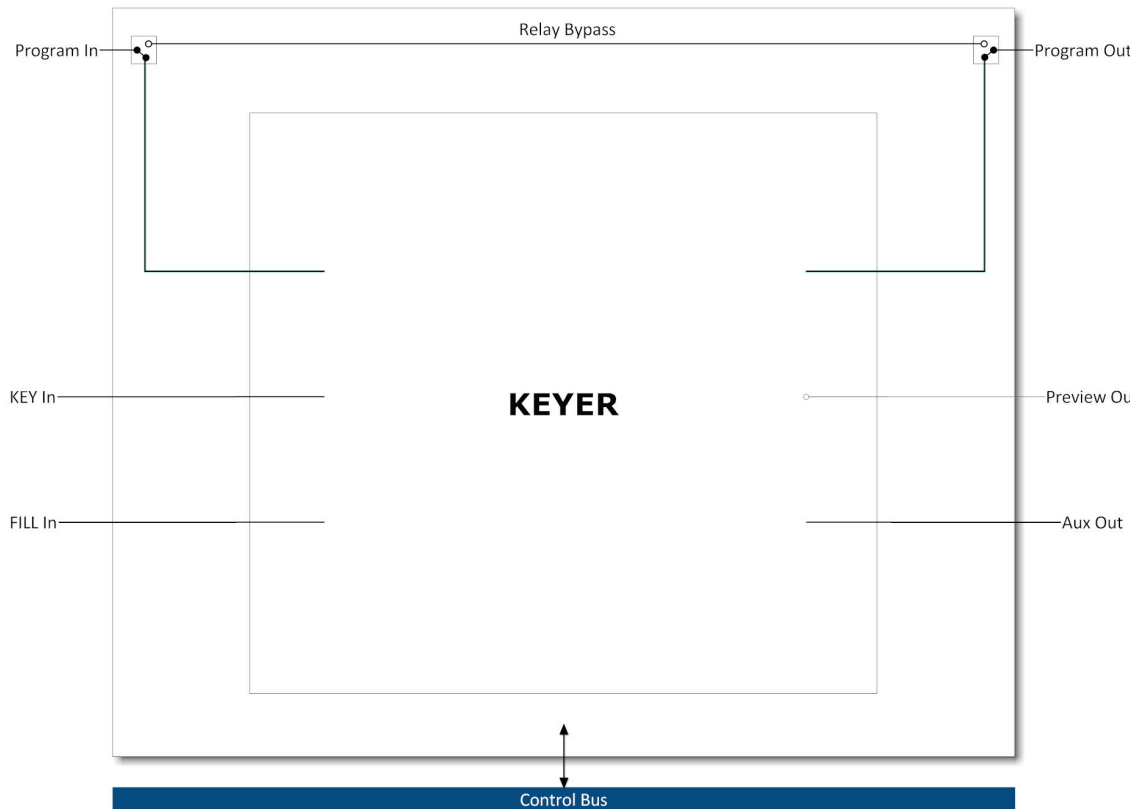


MicroVideo

HDK 300

HD/SD Downstream Keyer



Features

The Microvideo HDK 300 Digital Keyer allows captions or logos to be added to a background picture. They can be faded in and out with transitions initiated by GPI, RS232, front panel or TCP/IP. A mix function allows a fade between 2 sources so that it can also be used as a simple two channel fader. The Keyer is transparent to embedded audio and other ancillary data.

Preview output allows you to view the effect of adding the caption or logo before actually keying onto the main program output. The keyer module is housed in a 1U rack frame and works with all other Microvideo modules to provide a complete branding/video processing suite.

Internal processing is done to 12 bit resolution ensuring the highest quality of picture.

HD-SDI or SD-SDI input

12 bit processing for highest quality results

Level triggered programmable GPIs

Relay bypass maintains primary feed on loss of power

Full control and status monitoring through card edge LED's

Remote control and monitoring

Specification

Input

SD/HD Serial Video Standard	SMPTE 424M (3Gb/s) SMPTE 292M (1.5Gb/s) SMPTE 259M (270Mb/s) 1080p/59.94, 1080i/59.94, 1080i/50, 720p/50
Number of Inputs	3, Program, Key, Fill
Equalization	Automatic to 75m @ 1.5Gb/s with Belden 1694A or equivalent cable.
Return Loss	> 10dB up to 1.5GHz

Output

HD Serial Video Standard	As per input As per input
Number of Outputs	3 (1 relay bypass protected, 2 broadcast quality monitoring outputs)
Signal Level	800mV nominal
DC Offset	0V ±0.5V
Rise and Fall Time	90ps nominal for HD, 600ps nominal for SD
Overshoot	< 10% of amplitude
Return Loss	> 15dB up to 1.0Gb/s, > 10dB up to 1.5Gb/s
Wideband Jitter	< 0.2UI

Miscellaneous

Weight Approx	250g
Operating Temp	0 °C to +50 °C
Dimensions	16 x 100 x 237 mm (HxWxD)
Electrical	Voltage +5Vdc

Options

Frames/Cases

HD1U-10	Rack mounting 1U frame with single PSU. Allows use of upto 6 Series 200 and 300 cards
HD1U-20	Rack mounting 1U frame with dual PSU. Allows use of upto 6 Series 200 and 300 card
SA-1-DG	Desktop Box to house single series 300 card (including TCPIP, RS232/422, cables and PSU)

Rear Connections

Program In
Fill In
Key In
Aux Out
Preview Out
Program Out

