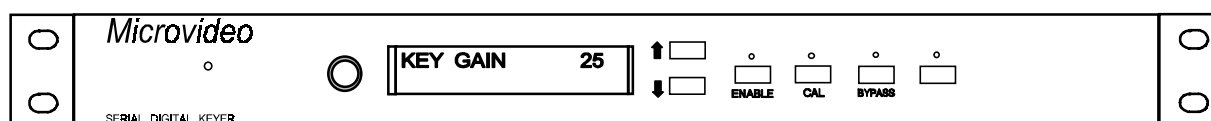


Microvideo

SERIAL DIGITAL KEYER / MIXER

The Microvideo 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 or front panel. Front panel or Remote Control gives access to key processing with control of gain and offset. 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. A 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 may have additional modules plugged in. This includes a PAL/NTSC coder for monitoring purposes or an analogue to digital converter with RGB(YUV) and Key input.



Features:

- 10 bit digital linear keying of captions or logos.
- Simple two channel mixer capability
- Front panel or remote adjustment of automated transition times
- Optional Preview Output,
- Automatic re-timing of inputs with 2us input window
- Full control of key processing (Gain and Offset)

Input

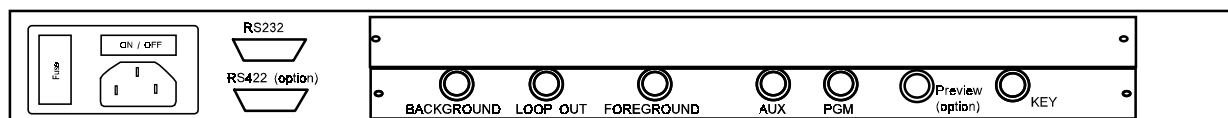
Serial Digital Video (270Mb/s) for Foreground, Background and Key.
Analogue input option for foreground and key is also available.

Output

Output (Programme), Aux (2nd Output), Optional Preview Output.
Background Loop Through (Re-clocked and buffered).
There is a passive by-pass feature which connects Background Input to Programme Output if the power fails. Bypass may also be activated from the front panel.

Remote

The unit has a full function local control panel with backlit LCD display.
GPI input can initiate key fades up and down.
RS422 and RS232 allows a Microvideo Remote Panel or an automation system to control the keyer.



Product Codes

KEY-S10	10 bit Digital Keyer/mixer in 1U frame
options	
-PVW	Preview option (SDV out)
-SDC	SDV to PAL/NTSC converter module for monitoring
-AN	with Analogue input for Key and Foreground

A choice of rack mounting and desk mounting T bar control panels is available

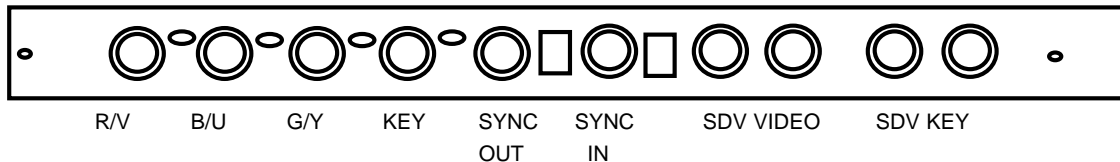
Microvideo Digital Keyer : KEY-S10

Analogue input option for Keyer

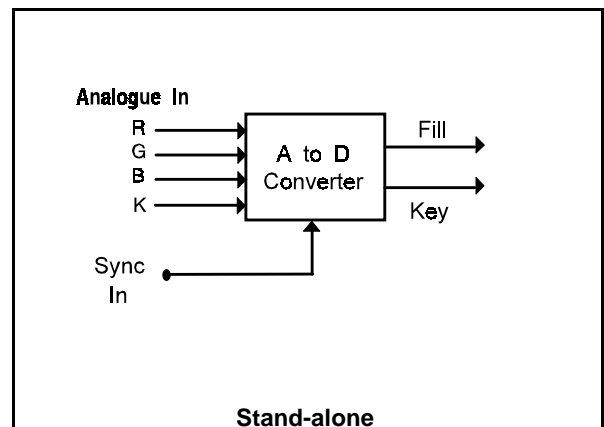
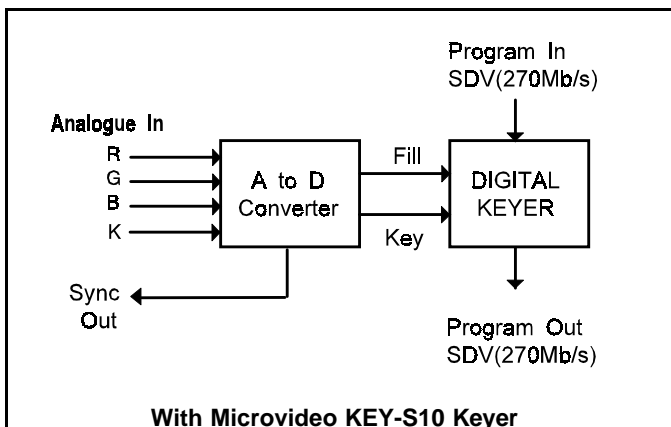
Application - The -an option provides an Analogue to Digital conversion of the foreground components RGB (or YUV) and the Key signal on a single module. This makes it suitable for converting analogue character generators into Serial Digital Video (270Mb/s) devices.

Physical - The module is a double width Eurocard which will fit into the top slot of the Microvideo Digital Keyer, KEY-S10. If ordered on it's own requires a DFRM1U.

Input - Analogue Component Video, RGB or YUV can be selected.
Sync may be on the Y (Green) channel or a seperate Sync input is also provided.
All inputs are single ended. These can be internally terminated by setting jumpers on the board.



Output - Serial Digital Video (270Mb/s) as per SMPTE 259M, two links for foreground and key.
If used with the Microvideo Key-S10 a sync output is available which allows the character generator to be gen-locked to the Background video.



Conversion - 8 bits per channel, Near 601 filtering.
Set up and Betacam levels are also catered for.

Ordering code -
if ordered with a keyer option -AN
if ordered on its own -ADK08N

Note - 8 bit conversion is used as most analogue CG's only work to 8 bit resolution. Near 601 filters are used as broadcast analogue CG's should have pre-filtered outputs.