

8K Frame Synchronizer with Color Correction

The IF8K-FSCC synchronizes full 8K video with both 12G-SDI and 3G-SDI signals. Asynchronous 8K input signals of Quad Link 12G-SDI (12G-SDI x 4) or 16 Link 3G-SDI (3G-SDI x 16) can be synchronized using an external reference, and then output on Quad Link 12G-SDI.

FRONT



BACK



BENEFITS

8K SIGNAL HANDLING

Ideal for timing and synchronising 8K asynchronous incoming lines to house reference.

AUDIO NEEDS COVERED

No audio disturbance and audio delay feature to correct A/V sync issues. 32 channel MADI MUX/ DEMUX available to support external audio sources.

SIMPLE TO USE

Easy to configure and operate via Front Panel or Web interface, plus optional remote control panel.

WIDE RANGE OF TOOLS

Includes video proc control, RGB colour correction, H&V phase adjust, line sync and low delay modes.



FEATURES

- 8K frame synchronization
- Horizontal/vertical phase adjustment by the external reference input
- Video signal processing of luminance level, chroma level, chroma phase, and black level
- RGB color corrector
- Line sync mode (applicable to 12G inputs)
- Low delay mode (lock to input)
- 32 channel embedded audio processing with additional delay for each audio channel
- Audio embedding and de-embedding for 32 channel MADI audio interface
- Optional remote control via IF8K-REMOTE
- Front panel or web browser control

SPECIFICATION

Connections	
Inputs	
SDI	4 x 12G, 16 x 3G 75Ω BNC
MADI	1 x 32 channel AES10 75Ω BNC
Reference	Tri-sync or Bi-sync reference input with loop-through 75Ω BNC
Outputs	
SDI	4 x 12G 75Ω BNC
MADI	1 x 32 channel AES10 75Ω BNC
Control	
Ethernet	10/100 BaseT Ethernet RJ45
Controls	
Video	
Proc. Amp	Video level, Luma level, Chroma level, Black level, Black Phase
Colour Correction	RGB White, RGB Black, RGB Gamma in 4 x 12Gbps mode
Audio	
Audio Mapping	Channel selection for 32 x MADI and 32 x embedded audio
Audio Delay	0 - 1 second in 1ms steps for each audio pair
Metadata	
Timecode	Generate, follow input
Supported Video Standards	
12G-SDI	4320/60p, 4320/59.94p, 4320 50p. Level-A 2SI ST 2036-1/ ST 2082-12
3G-SDI	4320/60p, 4320/59.94p, 4320 50p. Level-A/B, square division
Mechanical	
Dimensions	430 (W) x 44 (H) x 250(D) mm
Weight	2kg approx
Temperature/humidity	0°C to 40°C / 20% to 80% (no condensation)
Power Consumption	100 V AC to 240 V AC, 35W Max



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