

8K Frame Synchroniser and Upconverter

The IF8K-UCN provides synchronisation and high quality conversion for integration of HD or 4K UHD material into 8K productions using the dual-green format. It supports HD-SDI or Quad Link 3G-SDI inputs and converts them to 8K Octa Link 3G-SDI outputs. Two-way distribution of 8K DG is standard and BB or Tri-level sync reference input is also supported.

FRONT



BACK



BENEFITS

HIGH QUALITY HD/4K TO 8K CONVERSION

Ideal solution for integrating HD/4K material into 8K live productions

SEAMLESS COLOUR MANAGEMENT

Built in colour management between BT.709 and B.2020 colour spaces, and video processing controls allow adjustment and matching

SIMPLE TO USE

Easy to configure and operate via Front Panel, Web interface or SNMP

WIDE RANGE OF TOOLS

Frame synchroniser ideal for handling asynchronous sources and provides robust input timing adjustment



FEATURES

- Very high quality upconversion with user-adjustable enhancement filters.
- Frame synchronisation to an external reference with tracking PCM audio delay.
- Minimum delay mode (no reference) – lock to input.
- BT.709 to BT.2020 colour space conversion with auto/manual selection.
- Proc amp control (luminance, chrominance and black level).
- Control via front panel, web interface or optional remote control panel (IF8K-remote).
- Low power consumption at 35 Watts max.

SPECIFICATION

Connections

Inputs

SDI	1 x 3G Quad Link, 4 x 3G, 75Ω BNC
Reference	Tri-sync or Bi-sync reference input with loop-through 75Ω BNC

Outputs

SDI A	8 x 3G Octa Link 75Ω BNC
SDI B	8 x 3G Octa Link 75Ω BNC

Control

Ethernet	10/100 BaseT Ethernet RJ45
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Controls

Video

Proc. Amp	Video level, Luma level, Chroma level, Black level
SDR/HDR	PQ, HLG, Slog3
Colourimetry	BT.709/BT.2020 with selectable Gamma 2.0/2.4
Enhancement	Vertical Filter, Horizontal Filter, Horizontal enhance level and frequency

Supported Video Standards

Input

Quad 3G-SDI	2160/60p, 2160/59.94p
HD-SDI	1080/29.97i, 1080/30i

Output

8K Dual Green	4320/60p, 4320/59.94p (Dual Stream Level B)
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Mechanical

Dimensions	430 (W) x 44 (H) x 250(D) mm
Weight	2 Kg 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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