12G-CROSS

HDMI / SDI 4K CROSS CONVERTER with Scaling and Frame Rate Conversion



PRODUCT FEATURES

- The 12G-CROSS is a small (4.2" x 5.1" x 1.2") low power portable converter encased in a solid robust aluminium case and does not contain a noisy fan. Allowing it to be used in almost any environment.
- Allows either of the HDMI or SDI outputs to be simultaneously sourced from either the HDMI or SDI input or the new 4K scaling engine.
- The 4K scaling engine can be driven by either the SDI or HDMI input, supports horizontal and/or vertical flipping and can be locked to either the SDI, HDMI or Genlock input.
- The 4K scaling engine can scale and/or frame rate convert between any of the following 57 formats:
  - (3840 or 4096) x 2160p50/59.94/60 via HDMI or 12G-SDI
  - (3840 or 4096) x 2160p30/29.97/25/24/23.98 via HDMI or 6G-SDI
  - (1920 or 2048) x 1080p50/59.94/60 via HDMI or 3G-SDI (A or B)
  - 1920 x 1080i60/59.94/50 via HDMI or HD-SDI
  - (1920 or 2048) x 1080p30/29.97/25/24/23.98 via HDMI or HD-SDI
  - (1920 or 2048) x 1080psf30/29.97/25/24/23.98 via HD-SDI
  - 1280 x 720p60/59.94/50/30/29.97/25 via HDMI or HD-SDI
  - 1280 x 720p24/23.98 via HD-SDI
  - 720 x 480p59.94 or 720 x 576p50 via HDMI
  - 720 x 480i59.94 (NTSC) or 720 x 576 (PAL) via HDMI or SD-SDI

That is an amazing 3249 possible format conversions!

- The audio pairs in the SDI and HDMI outputs can be rearranged as required.
- Includes 4 x (3G/HD/SD)-SDI outputs, that allow it to be used as a 1 to 4 distribution amplifier.
- The 12G-CROSS is a truly portable product that incorporates an easy-to-use LCD screen and button control system. This gives easy access to the outstanding features without using complicated LED/button controls, dip switches, or having to carry around a computer to change a simple setting.
- This unit also includes:
  - USB port for control and firmware updates
  - Metal Thread Locking DC Power Socket
  - Power Supply and USB Cable

SPECIFICATIONS

More info : click here

SDI FORMATS	12G:SMPTE 2048-1/2036-1@11.88 and 11.868Gb/s • (3840 or 4096) x 2160p@60/59.94/50Hz 6G: SMPTE 2048-1/2036-1@5.94 and 5.934Gb/s • (3840 or 4096) x 2160p@30/29.97/25/24/23.98Hz 3G-A or 3G-B: SMPTE 424M@2.97 and 2.967Gb/s • (1920 or 2048) x 1080p@60/59.94/50Hz HD:SMPTE 292M/274M/296M@1.485 and 1.435Gb/s • 1920 x 1080i@60/59.94/50Hz • (1920 or 2048) x 1080p/psf@30/29.97/25/24/23.98Hz • 1280 x 720p@60/59.94/50/30/29.97/25/24/23.98Hz SD:SMPTE 259M@270Mb/s • 720 x 576 (PAL) • 720 x 480i59.94 (NTSC)	**HDMI FORMATS**	• (4096 or 3840) x 2160p@60/59.94/50/30/29.97/25/24/23.98Hz • 1920 x 1080p@60/59.94/50/30/29.97/25/24/23.98Hz • 1920 x 1080i@60/59.94/50Hz • 1280 x 720p@60/59.94/50/30/29.97/25 • 720 x 480p59.94 or 720 x 576p50 • 720 x 480i59.94 (NTSC) or 720 x 576 (PAL)
		INPUTS	• 1 x HDMI Type A • 1 x (12G/6G/3G/HD/SD)-SDI • 1 x Genlock
		OUTPUTS	• 1 x HDMI Type A • 2 x (12G/6G/3G/HD/SD)-SDI Re-clocked Loop-through • 2 x (12G/6G/3G/HD/SD)-SDI
LCD / BUTTON MENU OPTIONS	• SDI output source from HDMI IN, SDI IN or Scaler • HDMI output type and source from HDMI IN, SDI IN or Scaler • Scaler source, reference, format and Aspect Controls • Audio pair routing for HDMI and SDI output • LCD backlight off time • Back to Status time	**POWER**	• +5V to +32V DC • Positive Centre Pin
		DIMENSIONS	106mm x 130mm x 31mm (4.2" x 5.1" x 1.2")

Innovative Monitoring Solutions

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