

12G-SDI or 4X3G to HDMI2.0 Converter

Model No: FL216SH

Description

12G-SDI to HDMI2.0 Converter supports single link 12G-SDI to HDMI video conversion. It supports De-embedded audio output. We also have HDMI to 12G-SDI converter, 12G-SDI to 4X3G converter, 4X3G to 12 converter, and 4X3G to HDMI converter. Its built-in down converter can realize 4K HD monitoring on HD TV. It is an ideal solution to convert the SDI signal of a broadcast camera into a consumer-grade HDMI signal! It can be widely used in various scenarios such as 4K non-linear editing, 4K studio, 4K broadcast system, 4K OB truck, 4K demonstration system, etc. The product is a full hardware architecture, with high stability, high reliability, and easy-to-use characteristics

Features

1. 4K resolution SDI To HDMI converter
2. Support 12G/6G/3G/HD-SDI
3. Support 12G-SDI loop out
4. Support YUV444 、 YUV422、 RGB444
5. Support 4096*2160 P60 and compatible with lower
6. Support HDR, SDI reclock
7. Support 1U or 2U rack mount management
8. Support LED indication
9. Optional 12G/4X3G/HDMI2.0 other type conversion
10. Stand alone housing for easy operation



Order Info

Model Number	Specification
FL216SH	Support one conversion mode: 12G-SDI to HDMI2.0 with external audio output
FL2160	Support two conversion mode: 12G-SDI to HDMI2.0, 4X3G to HDMI2.0
FL2163	Support Six conversion mode: 12G-SDI to HDMI2.0, HDMI2.0 to 12G-SDI, HDMI2.0 to 4X3G, 12G-SDI to 4X3G, 4X3G to 12G-SDI, 4X3G to HDMI2.0

Application

Remote OB Van/Truck Video Feeds, Broadcast Studio Camera Feeds, TV station/video conference, broadcast live transmission, Medical/Surgical Room Broadcast, Building to Building video conference, video wall controller, commend center.

Spec

Video input	12G/6G/3G/HD-SDIx1
BNC interface	IEC169-8 standard
HD video format	720p50.720p59.94.720p60.1080p23.98.1080p24.1080p25.1080p29.97.1080p30. 1080p50. 1080p60. 1080i30.1080i50.1080i59.94.1080i60
UHD video format	3840x2160p: 60/59.94/50/30/29.97/25/24/23.98
Video output	HDMI2.0x1, 12G-SDI loop X1
Format conversion	Down conversion
SDI specification	SMPTE292M; SMPTE259M;SMPTE296M; SMPTE372M; SMPTE424M-B and SMPTE425M; SMPTE ST-2081
Audio output	De-embedded audio support, 3.5mm
SDI video sampling	4:2:2 and 4:4:4
SDI audio sampling	TV standard sampling rate 48kHz;24bit
SDI color accuracy	4:2:2 and 4:4:4
SDI color space	YUV and RGB
SDI auto switching	Automatic detection of HD and 12G-SDI
HDMI video format	525i29.97 NTSC.625i25 PAL.720p50.720p59.94.720p60.1080p23.98.1080p24.1080p25.1080p29.97.1080p30.1080p50.1080p59.94.1080p60.1080i50.1080i59.94.1080i60 2160p23.98.2160p24.2160p25.2160p29.97.2160p30.
HDMI color accuracy	4:2:2 and 4:4:4
HDMI color space	YUV and RGB
Power Supply	12V@1A
Power Consumption	About 2.5W
EMI/RFI	FCC Part 15 Class A, EU EMC standard
MTBF	>100000 hours
Size	129X100X27mm
Weight	0.3Kg

Diagram

