

12G-SDI/4X3G/HDMI2.0 Converter

Model No: FL2163

Description

12G-SDI/4X3G/HDMI2.0 Converter supports 2SI and SQD video format. Single link 12G-SDI or quad link 3G-SDI signals can be connected to HDMI 4K devices that support 4K HD, and the product also supports single link 12G-SDI or quad link 3G-SDI conversion! 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 and HDMI converter
2. Support 12G-SDI to HDMI2.0 conversion
3. Support HDMI2.0 to 12G-SDI conversion
4. Support HDMI2.0 to 4X3G-SDI conversion
5. Support 12G-SDI to 4X3G-SDI conversion
6. Support 4X3G-SDI to 12G-SDI conversion
7. Support 4X3G-SDI to HDMI2.0 conversion
8. Support both 2SI and SQD 4X3G video format
9. NMS reserved for updating or management
10. Support LED indication
11. DIN switch to control conversion mode



Order Info

Model Number	Specification
FL2160	Support two conversion mode: 12G-SDI to HDMI2.0, 4X3G to HDMI2.0
FL2161(coming on May)	Support two conversion mode: 12G-SDI to HDMI2.0 or HDMI2.0 to 12G-SDI
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-SDI x1 or 4x3G-SDI x 1 (two-way multiplexing) ,HDMI2.0x1
UHD mode	Input 2SI/SQD, output 2SI/SQD selection (dip switch)
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	12G-SDI x1 or 4x3G-SDI x 1 (two-way multiplexing) ,HDMI2.0x1
Format conversion	Down conversion
SDI specification	SMPTE292M; SMPTE259M;SMPTE296M; SMPTE372M; SMPTE424M-B and SMPTE425M; SMPTE ST-2081
Audio input	Embedded audio support
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 2160p23.98.2160p24.2160p25.2160p29.97.2160p30.2160P50/59.94/60
HDMI color accuracy	4:2:2 and 4:4:4
HDMI color space	YUV and RGB
Software control	Upgrade the software through the RJ45 interface of Mac OS and Windows computer
Settings control	Small dial switch
Operating system	Mac 10.14 Mojave,Mac 10.15 Catalina or higher. Windows 7 and 10 operating systems.
Power Supply	12V@3A
Power Consumption	About 6W
EMI/RFI	FCC Part 15 Class A, EU EMC standard
MTBF	>100000 hours
Size	114X103X29mm
Weight	0.7Kg

Diagram



DIP switch to control conversion mode