

12G-SDI To HDMI2.0 Converter with Fiber SFP

Description

This converter transforms 12G-SDI to HDMI 2.0 video signal with raw image fidelity. Support resolution up to UltraHD 4K60Hz. The converter provides an easy-to-deploy connectivity from professional 4K 12G-SDI devices to HDMI2.0 input displays for professional workflows. It features a single-link 12G-SDI input and a relocked SDI loop output for simpler SDI confidence monitoring or delivery of SDI pipelines.

This converter is also equipped with fiber SFP input and output which can send or receive 4K signals over a long distance connected to other fiber optic video sources.

Features

1. 12G-SDI input to HDMI 2.0 output at up to 4K60P
2. 4K SDI/HDMI fiber extender could be made up of multiple 12G-SDI to HDMI and HDMI2.0 to 12G-SDI converters as cascade chain transmission
3. Support 4:4:4/4:2:2/4:2:0 HDMI 2.0 output
4. Support 12G-SDI input with loop out for monitor
5. Compatible with 6G/3G/HD/SD-SDI
6. Support one 12G-SDI SFP module input(simplex)
7. Support one 12G-SDI SFP module output(simplex)
8. 12G-SDI optical transmission up to 80KM
9. Support 8-ch and 24 bits SDI embedded audio
10. Support HDMI embedded audio or de-embedded 2-ch analog RCA audio output
11. Support LED indication and easy operation



Order Info

Model Number	Specification
FL216SHF	12G-SDI to HDMI2.0 converter: 1-ch 12G-SDI input with loop, one fiber SFP input, one fiber SFP output, one HDMI2.0 output, 2 RCA audio output
FL216HSF	HDMI2.0 to 12G-SDI converter: 1-ch HDMI2.0 input, 2 RCA audio input, one fiber SFP output, 2-ch 12G-SDI output

Application

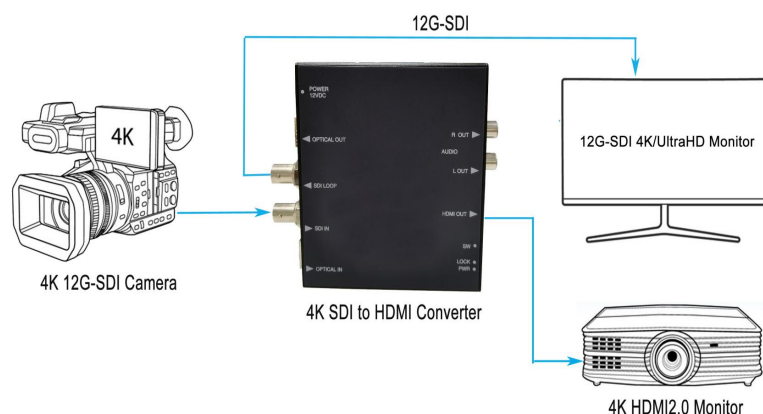
Remote OB Van/Truck Video Feeds, Broadcast Studio Camera Feeds, TV station/video conference, broadcast live transmission, Medical/Surgical Room Broadcast, Building to Building video conference, video wall controller, commend center.

Spec

Video input	12G-SDI BNC x1
SMPTE Standard	SMPTE ST2082, SMPTE ST2081, SMPTE 424M, SMPTE425M, SMPTE 292M, SMPTE296M , SMPTE 259M, SMPTE344M
HD video format	720p50.720p59.94.720p60.1080p23.98.1080p24.1080p25.1080p29.97.1080p30. 1080p50. 1080p60. 1080i30.1080i50.1080i59.94.1080i60
UHD video format	4096 x 2160/3840x2160p: 60/59.94/50/30/29.97/25/24/23.98
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
Video output	HDMI2.0x1, 12G-SDI loop out X1
HDMI video format	NTSC.625i25.525i29.97 PAL.720p50.720p59.94.720p60.1080p23.98.1080p24.1080p25.1080p29.97.1080p30.1080p50.1080p59.94.1080p60.1080i50.1080i59.94.1080i60 2160p23.98.2160p24.2160p25.2160p29.97.2160p30.2160p60
HDMI color accuracy	4:2:2 and 4:4:4
HDMI color space	YUV and RGB
Optical fiber	SFP input X1, SFP output x1(simplex one way SFP, 12G-SDI bandwidth, up to 80KM, SFP input and 12G-SDI BNC input option by DIP switch)
Audio output	HDMI embedded audio or de-embedded 2-ch analog RCA audio output
Power Supply	12VDC
Power Consumption	About 10W
EMI/RFI	FCC Part 15 Class A, EU EMC standard
MTBF	>100000 hours
Size	105X92X29mm
Weight	0.5Kg

Diagram

1. Application as 12G-SDI to HDMI2.0 Converter



2. Application as 4K SDI to SDI/HDMI Fiber Extender

