

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

### Description

This 4K HDMI2.0 to 12G-SDI converter supplies single link video signal conversion. Support resolution up to UltraHD 4K60Hz. The converter provides one 4K60Hz HDMI input and 2 channels 12G-SDI output so it also could extend HDMI video to far end over coax cable. It also supplies two analog RCA audio to be embedded.

This converter is also equipped with fiber SFP output. It can send 4K HDMI signals over a long distance connected to other fiber optic video sources like our 12G-SDI to HDMI2.0 converter with 12G-SDI optical fiber SFP module installed

### Features

1. HDMI 2.0 input to 12G-SDI output at up to 4K60P
2. 4K HDMI2.0 fiber extender could be made up of multiple HDMI2.0 to 12G-SDI converters and 12G-SDI to HDMI as cascade chain transmission
3. Support 4:4:4/4:2:2/4:2:0 HDMI 2.0 input
4. Support 2 channels 12G-SDI output for monitors
5. Compatible with 6G/3G/HD/SD-SDI
6. Support one 12G-SDI SFP module output(simplesx)
7. Optical fiber transmission up to 80KM
8. Support HDCP and EDID
9. Support HDMI embedded audio or embedded 2-ch analog RCA audio input
10. 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

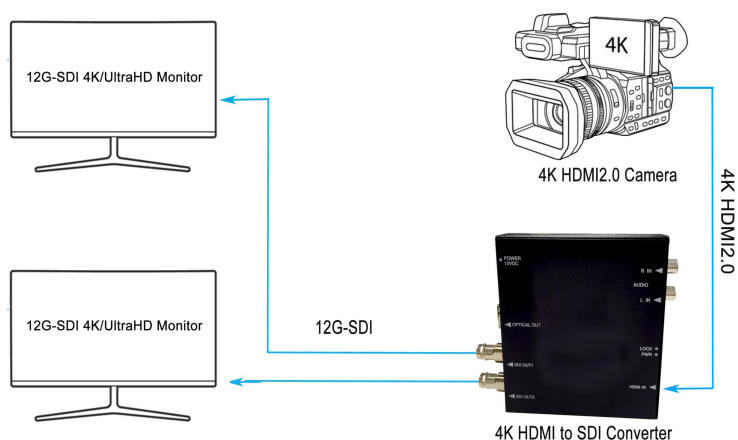
Remote OB Van/Truck Video Feeds, Broadcast Studio Camera Feeds, TV station/video conference, broadcast live transmission, Medical/Surgical Room Broadcast, Building to Building video conference, video wall controller, commend center.

## Spec

Video input	HDMI2.0x1
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
Audio input	HDMI embedded audio or embedded 2-ch analog RCA audio input
Video output	12G-SDI BNC x2
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
SDI autoswitching	Automatic detection of HD and 12G-SDI
Optical fiber	SFP output x1(simplex one way SFP, 12G-SDI bandwidth, up to 80KM, SFP and 12G-SDI BNC could output at the same time )
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 HDMI2.0 to 12G-SDI Converter



2. Application as 4K HDMI2.0 Fiber Extender

