

# Micro Converter BiDirectional SDI/HDMI 12G wPSU



Now you can convert in both directions simultaneously! Convert SDI to HDMI and HDMI to SDI in any combination of SD, HD or Ultra HD formats all at the same time! Micro Converter BiDirectional SDI/HDMI 12G lets you simultaneously convert SDI to HDMI and HDMI to SDI in all SD, HD and Ultra HD formats up to 2160p60! Each conversion direction can be a different SD, HD or Ultra HD video standard, it's like getting two converters in one! With multi-rate 12G-SDI input and output connections, Micro Converter BiDirectional SDI/HDMI 12G is compatible with virtually all professional broadcast equipment, including level A and B devices. It even automatically detects all SD, HD and Ultra HD formats! Micro Converter BiDirectional SDI/HDMI 12G has all you need to convert HDMI consumer gear to SDI. Use the input to convert HDMI computers or consumer cameras into 12G-SDI, while using the output for monitoring with big screen televisions or projectors! The all metal durable design is perfect for live production and broadcast. Plus it's small enough to be hidden and used anywhere. It can be powered from any USB-C socket, or with the included power supply and international socket adapters!

**\$159**

## Connections

### SDI Video Inputs

1

### HDMI 2.0 Video Outputs

1 x type A.

### Updates, Configurations and Power

USB Type-C.

### SDI Video Outputs

Automatically matches the HDMI video input.

### SDI Rates

270Mb, 1.5G, 3G, 6G, 12G.

### Reclocking

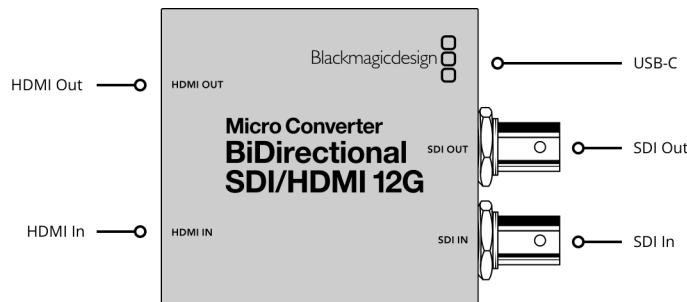
Yes

### HDMI 2.0 Video Inputs

1 x type A.

### Multi Rate Support

Auto detection of SD, HD, 2K, Ultra HD and 4K.



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## Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94, 720p60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p47.95,  
1080p48, 1080p50, 1080p59.94,  
1080p60  
1080PsF25, 1080PsF29.97, 1080PsF30  
1080i50, 1080i59.94, 1080i60

### 2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,  
2Kp29.97 DCI, 2Kp30 DCI,  
2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI,  
2Kp59.94 DCI, 2Kp60 DCI  
2KPsF25 DCI, 2KPsF29.97 DCI,  
2KPsF30 DCI

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,  
2160p29.97, 2160p30, 2160p47.95,  
2160p48, 2160p50, 2160p59.94,  
2160p60

### 4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,  
4Kp29.97 DCI, 4Kp30 DCI,  
4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI,  
4Kp59.94 DCI and 4Kp60 DCI.

### SDI Compliance

SMPTE 259M, SMPTE 292M,  
SMPTE 296M, SMPTE 424M,  
SMPTE 425M, SMPTE 2081-1,  
SMPTE 2081-10, SMPTE 2082-1,  
SMPTE 2082-10, SMPTE 2084 and  
SMPTE 2108-1

### SDI Video Rates

SDI video connections are switchable  
between standard definition, 720p,  
1080i, 1080p, 2K DCI, Ultra HD and  
4K DCI.

### SDI Color Precision

4:2:2. A 33 point LUT can be loaded  
via the software utility for calibrating  
or improving monitor color.

### SDI Color Space

YUV

### SDI Auto Switching

Automatically detects SD, HD, 2K DCI,  
Ultra HD and 4K DCI. Level A and B is  
automatically detected on 3G-SDI  
input and user selectable on 3G-SDI  
output.

### HDMI Video Standards

525i59.94 NTSC, 625i50 PAL  
720p50, 720p59.94, 720p60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p47.95,  
1080p48, 1080p50,  
1080p59.94, 1080p60  
1080i50, 1080i59.94, 1080i60  
2160p23.98, 2160p24, 2160p25,  
2160p29.97, 2160p30, 2160p47.95,  
2160p48, 2160p50,  
2160p59.94, 2160p60  
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,  
4Kp29.97 DCI, 4Kp30 DCI,  
4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI,  
4Kp59.94 DCI and 4Kp60 DCI.

### HDMI Color Precision

4:2:2. A 33 point LUT can be loaded  
via the software utility for calibrating  
or improving monitor color.

### HDMI Color Space

YUV

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## Copy Protection

HDMI input is unable to capture from copy protected HDMI sources.  
Always confirm copyright ownership before capture or distribution of content.

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## Camera Control

Bidirectional signal conversion supports Blackmagic Camera Control and Tally.

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## Settings Control

Via MacOS™ and Windows™ software utility connected by USB.

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## Operating Systems



Mac 10.15 Catalina,  
Mac 11.1 Big Sur or later.



Windows 10, 64-bit.

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## Software

Internal software upgrade via USB.

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## Power Requirements

### Power Supply

+5V universal power supply included with international socket adapters for most countries.

### Power Consumption

5W max.

### Operational Voltage Range

4.4V to 5.25V DC

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## Environmental Specifications

### Operating Temperature

0° to 40° C (32° to 104° F)

### Storage Temperature

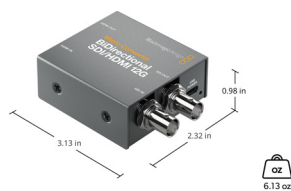
-20° to 60° C (-4° to 140° F)

### Relative Humidity

0% to 90% non-condensing

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## Physical Specifications



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## What's Included

Micro Converter BiDirectional SDI/HDMI 12G wPSU  
+5V universal power supply with international socket adapters.

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## Warranty

### 3 Year Limited Manufacturer's Warranty.

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