

# Micro Converter HDMI to SDI 12G wPSU



**\$119**

The world's smallest HDMI to 12G-SDI broadcast quality converter! Blackmagic Micro Converter HDMI to SDI 12G is a miniaturized broadcast quality video converter that's perfect for connecting HDMI cameras and computers to professional SDI equipment! You get two 12G-SDI outputs which can be set to level A or B for 3G-SDI signals. Micro Converters feature full size HDMI and professional 12G-SDI connections for working with all NTSC, PAL, 720p, 1080p, 1080i, 2160p rates, including 4Kp24/ 47.95/48 DCI. You get a universal power supply with international AC plug adapters, or you can power it over USB from a laptop or a mobile phone charger.

## Connections

### SDI Video Outputs

2  
Automatically matches the HDMI input.

### HDMI 2.0 Video Outputs

1 x type A.

### SDI Rates

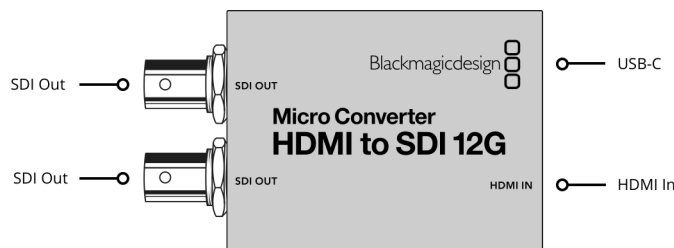
270Mb, 1.5G, 3G, 6G, 12G.

### Multi Rate Support

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

**Updates, Configurations and Power**  
USB Type-C.

**Reclocking**  
Yes



## Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

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### HD Video Standards

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

### 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,  
Ultra HD and 4K DCI. Level A and B is  
user selectable on output for 3G-SDI.

### 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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## 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

4W max.

### Operational Voltage Range

4.4V to 5.25V DC

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## Physical Specifications



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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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## What's Included

Micro Converter HDMI to SDI 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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