



Blackmagic Design Micro Converter BiDirectional SDI/HDMI 3G

ProdCode: BMDCONVBDCSDIHD

Convert SDI to HDMI and at the same time HDMI to SDI - no PSU

[Download Images] (.zip file)

Features

- USB powered broadcast converters
- Miniaturized Design
- Includes HDMI Timecode Support
- Broadcast Quality
- SDI Re-clocking
- Power via USB or optional power supply
- Wider Range of Video Standards
- Update and Change Settings
- 3 Models To choose from:

[Micro Converter HDMI to SDI 3G](#)

[Micro Converter SDI to HDMI 3G](#)

[Micro Converter BiDirectional SDI/HDMI 3G](#)

The new Blackmagic Micro Converter 3G models are incredibly tiny broadcast video converters that let you connect between consumer HDMI and professional SDI equipment. The rugged and miniaturized design makes them small enough to be used anywhere. You get professional 3G-SDI connections for working with all SD and HD formats up to 1080p60. Micro Converters use USB for power, so they can be powered directly from televisions or laptop computers. You can even purchase them without power supplies if they are not needed. Only Blackmagic Micro Converters feature custom designed electronics that conform to current global broadcast specifications, and can be updated to new standards in the future.

Use Anywhere

Pocket sized broadcast quality converters

Blackmagic Micro Converters are so small you can use them anywhere. That means it's always easy to keep a few available for any urgent conversion task. Because they are extremely high quality, you can trust them for all kinds of broadcast, live production and on set use. Use them for turning any computer display, television or video projector into high quality color calibrated broadcast monitoring. They're also perfect for converting the HDMI outputs of computers and consumer video cameras to high end SDI equipment. Imagine using a slide show running on a computer for high end broadcast quality titles in live production. You could even use them for extending long HDMI distances using SDI.

Miniaturized Design

Precision engineered broadcast grade converters.

Unlike other small SDI converters, Blackmagic Micro Converters feature the highest quality broadcast technology, miniaturized into an incredibly strong metal enclosure. Each converter has industrial standard 3G-SDI and HDMI connections with strong high quality connectors. Blackmagic Micro Converters include a USB connection for power, as well as changing settings via the converter utility on Mac and Windows. Because the USB powers the converter, you can even power it from televisions or laptop computers. There are even LEDs for power and video status. You can also buy Blackmagic Micro Converters with an AC power supply including 4 adapters for international use.

Broadcast Quality

Big converter quality, miniaturized.

Unlike cheap converters, Blackmagic Micro Converters include the highest quality signal processing and deep bit depth video pipeline. Micro Converters have been engineered with precision electronics so you get very low SDI jitter, allowing you to extend SDI cables over long distances. That's vital for live production where equipment such as cameras can be a long distance from switchers. Blackmagic Micro Converters work with both 8 and 10-bit video formats, in RGB or YUV, and in all SD and HD formats up to 1080p60. They even support 1080p24, 1080p47.95 and 1080p48 film rates. Plus you get fully embedded audio and timecode support.

Update and Change Settings

You can also change settings and update the converter software with the free converter utility that can be downloaded from the Blackmagic Design web site. This software connects to the USB connection on the Micro Converters and runs on both Mac and Windows computers. You can use the utility to change the converter name, which can be useful for identifying which converter is used for which task. When using the bidirectional converter, you can even set the camera number, so the converter knows when it's being controlled from a live production switcher. You can also select between level A and level B on the 3G-SDI video output.

Monitoring with 3D LUTs

Get color accurate monitoring on any type of display

The Micro Converter SDI to HDMI 3G model even includes a 3D LUT for color accurate monitoring. You can apply custom looks, color and gamma changes in real time for on set monitoring. LUTs can also be applied to the 3G-SDI loop output, allowing you to use the converter as a 3D LUT processor. You can also use 3D LUTs to get a color calibrated grading monitor using a low cost computer monitor or TV. You can even use the DaVinci Resolve primary color corrector to create amazing looks and then save them as custom 3D LUTs. Because DaVinci Resolve can be downloaded free, it costs nothing to start creating a world of custom 3D LUTs for monitoring. Imagine reproducing old film stocks.

Convert with Camera Control

The new Micro Converter BiDirectional SDI/HDMI 3G model even supports camera control so you can use a Blackmagic Pocket Cinema Camera with an ATEM SDI switcher. ATEM switchers send camera control over SDI, and the converter can translate this to HDMI for the camera. Just connect SDI from the converter out to the switcher input, the switcher program out to the converter input, and then the HDMI converter input connects to the Pocket Cinema Camera. Now add a camera number in the converter utility and you'll get control of the camera color corrector, tally and

even remote recording. It even works in reverse and you can connect and control an SDI camera from an HDMI switcher such as ATEM Mini.

Includes HDMI Timecode Support

The new Micro Converter 3G models use a new Blackmagic Design custom hardware design so they're more advanced to better support the technical features that are critical to high end broadcast workflows. These features include support for HDMI and SDI timecode conversion. You even get full support for timecode in both standard definition and high definition video formats. This means if you have any HDMI device that supports timecode, you can convert it to SDI and get that timecode into larger broadcast systems. Blackmagic Micro Converters might be low cost, however they don't miss out on advanced features needed for high end film, television and post production work.

SDI Re-clocking

Perfect for longer SDI cable lengths

Blackmagic Micro Converter re-clocking will regenerate the SDI video, reduce SDI jitter and improve SDI eye pattern before the converter sends the signal to other equipment. This allows longer cable lengths because even degraded SDI signals can still be used. Other converters often leave out important features such as re-clocking so are not reliable for broadcast use. Blackmagic Micro Converters don't suffer from these problems because they are a more technically advanced design. Blackmagic Micro Converters also fully comply with SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M level A and B, broadcast standards.

Wider Range of Video Standards

Blackmagic Micro Converter 3G models support SDI formats including 525i59.94 NTSC, 625i50 PAL, 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, 2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI, 2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94 DCI and 2Kp60 DCI, 2KPsF25 DCI, 2KPsF29.97 DCI and 2KPsF30 DCI.

HDMI video standards include 525i59.94 NTSC, 625i50 PAL, 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94 and 1080i60. Plus 3G level A and B are supported.

USB or AC Power

Power via USB or optional power supply

The new Blackmagic Micro Converter 3G models are powered via the same USB-C connection that's used on newer computers and smartphones so you can power the converter from the same television or computer you are converting the video for. You can also purchase Micro Converters with an AC power supply that supports 100 to 240V AC and comes with 4 different AC socket adapters so you can plug them into outlets anywhere in the world. That's perfect for when you're doing international work. You can even use smartphone chargers and rechargeable battery packs to power Micro Converters on set. With so many easy to use power solutions, you'll never be without a power supply again.

In the box:

- Micro Converter BiDirectional SDI/HDMI 3G

