



separately embed or de-embed analog or digital audio. Mini Converters support 24 bit analog and AES/EBU audio and use standard 1/4" audio jacks so you don't need custom cables!

identify, Mini Converters combine powerful performance with a simple, compact design! Built-in connections are easy to access and all use standard cables that you're already likely to own!

6G-SDI to optical fiber conversion, with each direction independent of each other. Optical fiber cables span distances up to 28 miles without any deterioration to the signal.

Highest Quality Processing

With the highest quality video processing, Mini Converters are ideal for all broadcast, post production and professional AV applications. Multiple internal power supplies ensure incredibly low noise levels when moving between analog and digital video formats. Specific models include up/down/cross conversion that lets you move easily between PAL and NTSC SD video standards and the high number of HD formats in up to 3840 x 2160 Ultra HD resolutions.



Easy Settings Control


Changing Mini Converter's built-in mini switch settings is as easy as using a pen! This is great when you need to change settings quickly as there are no complicated menus to navigate! You can also control settings using the included Converter Utility software.

Connect a Mini Converter to any Mac OS X or Windows based laptop or desktop computer! All models can be updated via USB 2.0 by simply downloading software upgrades directly from the Blackmagic Design website.



Next ▶

Mini Converters Family



**Mini Converter SDI to HDMI 4K**  
Convert SDI in SD, HD and UltraHD to HDMI 4K with analog and AES audio.

\$295

Buy Now



**Mini Converter HDMI to SDI 4K**  
Convert SD, HD and UltraHD HDMI with HDMI/analog or AES audio to SDI.

\$295

Buy Now



**Mini Converter Analog to SDI**  
Analog YUV/S-Video/Composite to 3G-SDI with 2 ch AES/EBU or analog audio.

\$295


Buy Now



**Mini Converter SDI to Analog 4K**  
Convert SDI in SD, HD or UltraHD to analog video with down converter and audio.

\$295

Buy Now



**Mini Converter SDI to Audio**  
SD/HD/3G-SDI audio de embedder to 8 ch AES/EBU or 4 ch analog audio.

\$495


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**Mini Converter Optical Fiber 4K**  
Independent bi-directional 6G-SDI to optical fiber and optical fiber to 6G-SDI.

\$495

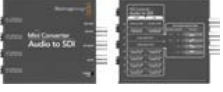
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**Mini Converter SDI Multiplex 4K**  
Convert between Single Link 6G-SDI, Dual Link 3G-SDI and Quad Link HD-SDI 4K.

\$495

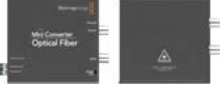
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**Mini Converter Audio to SDI**  
SD/HD/3G-SDI audio embedder from 8 ch AES/EBU or 4 ch analog audio.

\$495

Buy Now



**Mini Converter Optical Fiber**  
Independent bi-directional SDI to optical fiber and optical fiber to SDI.

\$295

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**Mini Converter SDI Distribution 4K**  
Distribute to 8 x SDI outputs in all formats including SDI, HD-SDI, 3G-SDI and 6G-SDI.

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Buy Now



**Mini Converter Sync Generator**  
Sync generator for black burst and HD tri-sync reference signals.

\$295


Buy Now



**Mini Converter UpDownCross**  
Up, down and cross converter, includes full NTSC/PAL standards converter.

\$495

Buy Now



**Mini Converter Quad SDI to HDMI 4K**  
Connect 6G-SDI, Dual Link 3G-SDI or Quad Link HD-SDI to HDMI 4K

\$495

Buy Now





# Blackmagic Mini Converters

## Build your SDI studio with the world's most advanced converters.

### The Mini Converter Models



#### Mini Converter SDI to HDMI 4K - \$295

Mini Converter SDI to HDMI 4K includes everything you need to convert from SD, HD, 3G and 6G-SDI video sources to HDMI in SD, HD and Ultra HD video formats. You can also de-embed SDI audio to HDMI, AES/EBU or balanced analog audio out. Imagine using big screen Ultra HD TV's and projectors for broadcast monitoring! The built in down converter even allows Ultra HD monitoring on HD televisions!

Enlarge

Function Diagram



#### Mini Converter HDMI to SDI 4K - \$295

Mini Converter HDMI to SDI 4K includes everything you need to convert from HDMI devices to SD, HD, 3G and 6G-SDI video in SD, HD and Ultra HD video formats. You can easily embed SDI audio from HDMI, AES/EBU or balanced analog audio inputs. Get the perfect solution to convert HDMI consumer cameras to SDI, or add SDI outputs to computers with HDMI connections!

Enlarge

Function Diagram



#### Mini Converter SDI to Analog 4K - \$295

Mini Converter SDI to Analog 4K includes everything you need to convert from SD, HD, 3G and 6G-SDI video to analog in HD/SD component, NTSC and PAL video. The built in down converter means you can even connect Ultra HD sources to component video in SD or HD as well as NTSC and PAL video! Easily connect any analog equipment such as Betacam SP, VHS, and video monitors!

Enlarge

Function Diagram



#### Mini Converter Analog to SDI - \$295

Perfect for converting from analog HD/SD component, NTSC, PAL or S-Video to SDI out with balanced jack AES/EBU and analog audio embedding. Now you can convert analog devices such as Betacam SP, VHS, set top boxes, gaming consoles and HDV cameras to incredible quality SD/HD-SDI video.

Enlarge

Function Diagram



#### Mini Converter SDI to Audio - \$495

Includes everything you need to de-embed 4 channels of analog audio or 8 channels of AES/EBU digital audio from any SDI video connection. Now you can easily access the audio in any SDI video connection for output to audio equipment such as audio mixers, analog broadcast decks, audio monitors and more!

Enlarge

Function Diagram



#### Mini Converter Audio to SDI - \$495

Includes everything you need to embed 4 channels of analog audio, or 8 channels of AES/EBU digital audio into any SDI video connection. Embed audio from devices such as audio mixers and analog decks into SDI video connections for use with SDI routers and decks or to add extra audio channels to video converters!

Enlarge

Function Diagram



#### Mini Converter Optical Fiber 4K - \$495

Now you can convert 6G-SDI to Optical Fiber, and Optical Fiber to 6G-SDI simultaneously. Mini Converter Optical Fiber automatically switches between any SD, HD and UltraHD video standards and each direction can be completely independent.

Enlarge

Function Diagram



#### Mini Converter Optical Fiber - \$295

Now you can convert SDI to Optical Fiber, and Optical Fiber to SDI simultaneously. Mini Converter Optical Fiber automatically switches between any SD, HD, 3G-SDI video standards and each direction can be completely independent.

Enlarge

Function Diagram



#### Mini Converter SDI Multiplex 4K - \$495

The converter you need when converting between Quad Link HD-SDI, Dual Link 3G-SDI and Single Link 6G-SDI Ultra HD equipment. Mini Converter SDI Multiplex 4K includes 4 x 6G-SDI inputs and 4 x 6G-SDI outputs so it can convert in both directions. Also converts between Dual Link HD-SDI 4:4:4 and Single Link 3G-SDI.

Enlarge

Function Diagram

#### Mini Converter SDI Distribution 4K - \$295

When you need to connect to multiple SDI devices, then Mini Converter SDI



Distribution 4K is the perfect solution! Connect a single SDI source to 8 re-clocked SDI outputs with automatic switching between all SD-SDI, HD-SDI, 3G-SDI and 6G-SDI video formats, plus all ASI, ancillary and embedded audio formats.

Enlarge

Function Diagram



Mini Converter UpDownCross - \$495

UpDownCross converter includes both up, down and cross conversion as well as a 4 field standards converter! Fantastic for placement on deck SDI inputs, so you always get NTSC or PAL into the deck. Use the cross converter to convert 720p to 1080i or 1080i to 720p so you can edit once and master in SD, 720p and 1080i video!

Enlarge

Function Diagram



Mini Converter Sync Generator - \$295

Includes 6 crystal stabilized video reference outputs for referencing all the video equipment in your studio in either high definition Tri-Sync or standard definition Blackburst television standards. Perfect for small studios and outside broadcasts!

Enlarge

Function Diagram



Mini Converter Quad SDI to HDMI 4K - \$495

Connect Single Link 6G-SDI, Dual Link 3G-SDI or Quad Link HD-SDI to the newest HDMI 4K projectors and televisions that support Ultra HD over a single HDMI link. Includes SD/HD and Ultra HD auto switching.

Enlarge

Function Diagram

Next ▶

Mini Converters Family



**Mini Converter SDI to HDMI 4K**  
Convert SDI in SD, HD and UltraHD to HDMI 4K with analog and AES audio.

\$295

Buy Now



**Mini Converter HDMI to SDI 4K**  
Convert SD, HD and UltraHD HDMI with HDMI/analog or AES audio to SDI.

\$295

Buy Now



**Mini Converter Analog to SDI**  
Analog YUV/S-Video/Composite to 3G-SDI with 2 ch AES/EBU or analog audio.

\$295

Buy Now



**Mini Converter SDI to Analog 4K**  
Convert SDI in SD, HD or UltraHD to analog video with down converter and audio.

\$295

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\$495

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Independent bi-directional 6G-SDI to optical fiber and optical fiber to 6G-SDI.

\$495

Buy Now



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Convert between Single Link 6G-SDI, Dual Link 3G-SDI and Quad Link HD-SDI 4K.

\$495

Buy Now



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SD/HD/3G-SDI audio embedder from 8 ch AES/EBU or 4 ch analog audio.

\$495

Buy Now



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Audio to SDI



Mini Converter  
Optical Fiber



Mini Converter  
SDI Multiplex 4K



Mini Converter  
Sync Generator

## Mini Converter SDI to HDMI 4K

### Technical Specifications

#### Description

Mini Converter SDI to HDMI 4K includes everything you need to convert from SD, HD, 3G and 6G-SDI video sources to HDMI in SD, HD and Ultra HD video formats. You can also de-embed SDI audio to HDMI, AES/EBU or balanced analog audio out. Imagine using big screen Ultra HD TV's and projectors for broadcast monitoring! The built in down converter even allows Ultra HD monitoring on HD televisions!

#### Price

\$295

#### Connections

##### SDI Video Input

1 x SD, HD or 6G-SDI.

##### SDI Video Output

(4K HDMI output only)

##### HDMI

HDMI type A out.

##### SDI Redundant Input

Automatically switches over if main SDI input is lost.

##### Multi Rate Support

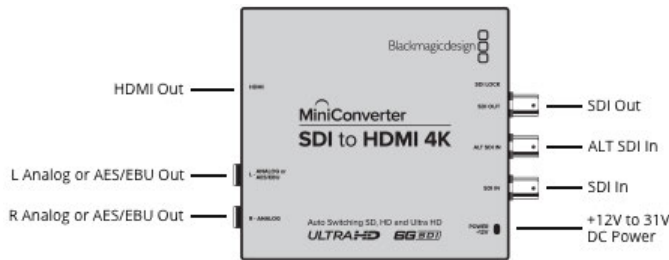
Auto detection of SD, HD or 6G-SDI

##### Updates and Configuration

Via USB 2.0 high speed. (480 Mb/s)

##### Reclocking

Yes



#### Standards

##### SD Format Support

525/29.97 NTSC, 525/23.98 NTSC, 625/25 PAL

##### HD Format Support

720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60

##### 2K Format Support

2048x1080PsF23.98, 2048x1080p23.98, 2048x1080PsF24, 2048x1080p24, 2048x1080PsF25, 2048x1080p25

##### 4K Format Support

3840x2160p23.98, 3840x2160p24, 3840x2160p25, 3840x2160p29.97, 3840x2160p30, 4096x2160p24

##### SDI Compliance

SMPTE 292M, SMPTE 259M, SMPTE 296M, SMPTE 372M, SMPTE 424M and SMPTE 425M.

##### SDI Video Rates

SDI video connections are switchable between standard definition, high definition and 6G-SDI.

##### SDI Video Sampling

4:2:2 and 4:4:4

##### SDI Audio Sampling

Television standard sample rate of 48 kHz and 24 bit.

##### SDI Color Precision

4:2:2 and 4:4:4

##### SDI Color Space

YUV and RGB

##### SDI Auto Switching

Automatically detects SD, HD or 6G-SDI.

##### HDMI Format Support

625/25 PAL, 525/29.97 NTSC, 525/23.98 NTSC, 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 2048x1080p23.98, 2048x1080p24, 2048x1080p25, 3840x2160p23.98, 3840x2160p24, 3840x2160p25, 3840x2160p29.97, 3840x2160p30, 4096x2160p24

##### HDMI Color Space

YUV and RGB

##### HDMI Color Precision

4:2:2 and 4:4:4

#### Software

##### Software Control

Mac OS X™ and Windows™ software upgrade via USB.

##### Internal Software Upgrade

Via included updater application.

#### Settings Control

Mini Switches or USB software.

#### Power Requirements

##### Power Supply

+12V universal power supply included with international socket adapters for all countries. Cable tie point.

##### Power Consumption

5.2 Watts

##### Operational Voltage Range

12 - 30 V DC

#### Physical Specifications



#### Environmental Specifications

##### Operating Temperature

0° to 40° C (32° to 104° F)

##### Storage Temperature

-20° to 45° C (-4° to 113° F)

##### Relative Humidity

0% to 90% non-condensing

#### What's Included

Mini Converter SDI to HDMI 4K

Software CD

12V universal power supply with international socket adapters

#### Warranty

3 Year Limited Manufacturer's Warranty.

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