

# Mini Converter UpDownCross HD



Mini Converter UpDownCross HD is a full standards converter that lets you convert any SD or HD video format to any other SD or HD video format! You get both SDI and HDMI inputs and outputs, along with reference input for built in re-sync, high quality Teranex conversion algorithms, automatic audio delay for perfect AV sync, international power supply and more!

## Connections

### SDI Video Inputs

1 x SD, HD or 3G-SDI Video Input and 1 x External Reference Input.

### HDMI Video Input

1 x HDMI type A connector.

### SDI Video Outputs

1 x loop out and 2 x outputs

### HDMI Video Output

HDMI type A out. Output supports EDID of the monitor.

### SDI Rates

270Mb, 1.5G, 3G.

### Reference Input

Black burst and Tri-Sync for SD & HD.

### Multi Rate Support

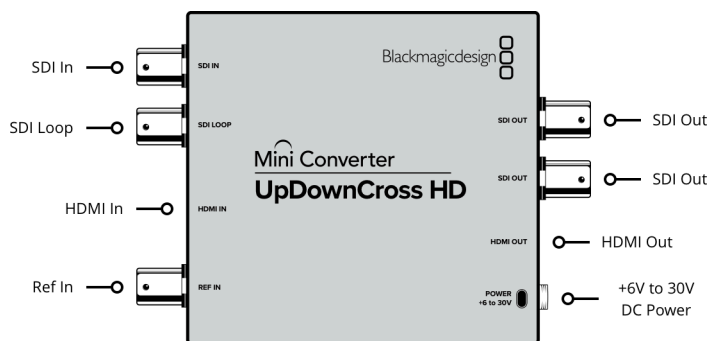
Auto detection of HD or standard definition SDI inputs.

### Updates and Configuration

USB

### Relocking

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, 1080p50,  
1080p59.94, 1080p60, 1080PsF23.98,  
1080PsF24, 1080PsF25,  
1080PsF29.97, 1080PsF30, 1080i50,  
1080i59.94, 1080i60

### HDMI Input Video Standards

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

### SDI Compliance

SMPTE 259M, SMPTE 292M,  
SMPTE 296M, SMPTE 424M-B,  
ITU-R BT.656 and ITU-R BT.601.

### SDI Metadata Support

Timecode and closed captioning.

### SDI Video Rates

SDI video connections are switchable  
between standard definition  
and high definition.

### SDI Video Sampling

4:2:2

### SDI Audio Sampling

Television standard sample rate of  
48 kHz and 24 bit.

### SDI Color Precision

4:2:2

### SDI Color Space

YUV

### SDI Auto Switching

Automatically detects SD,  
HD or 3G-SDI.

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## Format Conversion

### Video Conversion

Convert any SD and HD input to "720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60"

### Computer Scaling

Scale DVI resolutions 640x480, 800x600, 1024x768 to 525i59.94, 625i50, 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60

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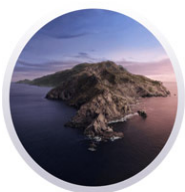
## Software

### Internal Software Upgrade

Via included updater application.

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## Operating Systems



Mac 10.14 Mojave,  
Mac 10.15 Catalina or later.



Windows 8.1 and 10.

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## Settings Control

### Mini Switches

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## Power Requirements

### Power Supply

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

### Power Consumption

5W

### Operational Voltage Range

6 to 36 Vdc.

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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 45° C (-4° to 113° F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

Mini Converter UpDownCross HD

12V universal power supply with international socket adapters

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## Warranty

3 Year Limited Manufacturer's Warranty.

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