# 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

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<th>HDMI Video Output</th>
<th>Multi Rate Support</th>
<th>Updates and Configuration</th>
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<td>1 x SD, HD or 3G-SDI Video Input and 1 x External Reference Input.</td>
<td>HDMI type A out. Output supports EDID of the monitor.</td>
<td>Auto detection of HD or standard definition SDI inputs.</td>
<td>USB</td>
<td>Yes</td>
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<td>HDMI Video Input</td>
<td>SDI Rates</td>
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<tr>
<td>1 x HDMI type A connector.</td>
<td>270Mb, 1.5G, 3G.</td>
<td>Black burst and Tri-Sync for SD &amp; HD.</td>
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<td>SDI Video Outputs</td>
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<td>1 x loop out and 2 x outputs</td>
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</table>

![Mini Converter UpDownCross HD Diagram]

## Standards

**SD Video Standards**

525i59.94 NTSC, 625i50 PAL

**Price**

$155
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

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.

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, 1080p60, 1080i50, 1080i59.94, 1080i60

Software

Internal Software Upgrade
Via included updater application.

Operating Systems

Mac 10.12 Sierra, Mac 10.13 High Sierra or later.

Windows 8.1 or Windows 10.

Settings Control

Mini Switches
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.

Physical Specifications

![Mini Converter UpDownCross HD](image)

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 UpDownCross HD
12V universal power supply with international socket adapters

Warranty

3 Year Limited Manufacturer's Warranty.