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

Reclocking
Yes

Standards

SD Video Standards
525i59.94 NTSC, 625i50 PAL
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.

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

Software

Internal Software Upgrade
Via included updater application.

Operating Systems

Mac 10.14 Mojave,
Mac 10.15 Catalina 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)

- **Height:** 0.96 in
- **Width:** 5.32 in
- **Depth:** 3.63 in
- **Weight:** 8.7 oz

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
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<tbody>
<tr>
<td>0° to 40° C (32° to 104° F)</td>
<td>-20° to 45° C (-4° to 113° F)</td>
<td>0% to 90% non-condensing</td>
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What's Included

- **Mini Converter UpDownCross HD**
- 12V universal power supply with international socket adapters
- **Warranty**

**Warranty**
3 Year Limited Manufacturer's Warranty.
Blackmagic Design Authorized Reseller