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
### Mini Switches

### 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

### 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, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60

## Software

### Internal Software Upgrade
Via included updater application.

## Operating Systems

### Mac
- Mac 10.14 Mojave, Mac 10.15 Catalina or later.

### Windows
- 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

![Product Image](image.png)

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>

What's Included

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

3 Year Limited Manufacturer's Warranty.