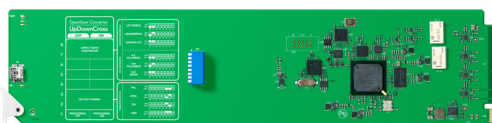


# OpenGear Converter UpDownCross



Lets you convert between multiple SD and HD video standards with high quality up, down and cross conversion. OpenGear Converter UpDownCross even includes a standards converter, plus adapts SDI audio delay to match video processing for accurate AV sync.

## Connections

### SDI Video Input

Switchable between SD, HD and 3G-SDI.

### Reference Input

Blackburst and TriSync for SD & HD.

### Updates and Configuration

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

### SDI Video Output

7 x outputs automatically match the SD, HD and 3G-SDI video input unless up, down, cross and/or standards conversion is enabled. 1 x SDI loop output.

### Multi Rate Support

Auto detection of SD, HD and Level B 3G-SDI inputs.

### Reclocking

Yes



## Standards

### SDI Compliance

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

### SDI Audio Sampling

Television standard sample rate of 48 kHz and 24-bit.

### SDI Format Support

525i59.94 NTSC, 625i50 PAL  
720p50, 720p59.94, 720p60  
1080p50, 1080p59.94, 1080p60  
1080PsF23.98, 1080PsF24, 1080PsF25  
1080i50, 1080i59.94, 1080i60

### SDI Video Rates

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

### SDI Color Precision

4:2:2

### SDI Color Space

YUV

### 2K Format Support

2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p  
2K DCI 23.98PsF, 2K DCI 24PsF, 2K 25PsF

### SDI Video Sampling

4:2:2

### SDI Auto Switching

Automatically selects between SD, HD and 3G-SDI.

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## Format Conversion

Up, down, cross conversion and/or NTSC/PAL standards conversion.

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## Software

### Software Control

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

### Internal Software Upgrade

Via included updater application.

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## Operating Systems



macOS 10.12 Sierra,  
macOS High Sierra  
10.13 or later.



Windows 8.1 or  
Windows 10.

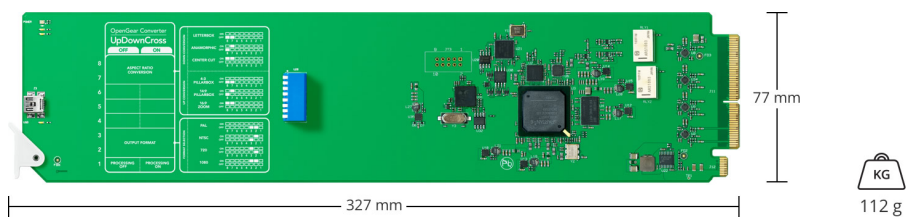
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## Settings Control

OpenGear DashBoard network control software, Mini Switches or USB software.

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## 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

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## What's Included

OpenGear Converter UpDownCross.  
SD card with software and manual.  
Double width rear connector.

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## Warranty

3 Year Limited Manufacturer's Warranty.

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