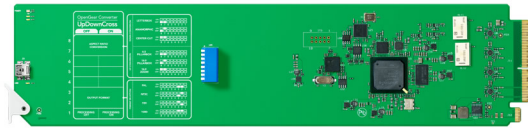**Blackmagic**design

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.

$495

Connections

SDI Video Input
Switchable between SD, HD and 3 Gb/s SDI.

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

Reference Input
Blackburst and TriSync for SD & HD.

Multi Rate Support
Auto detection of SD, HD and Level B 3 Gb/s SDI inputs.

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

Reclocking
Yes

Standards

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

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

SDI Video Sampling
4:2:2

SDI Color Precision
4:2:2

SDI Color Space
YUV

SDI Auto Switching
Automatically selects between SD, HD and 3 Gb/s SDI.

SDI Format Support
625/25 PAL, 525/29.97 NTSC, 720p50, 720p59.94, 720p60. 1080PsF23.98, 1080PsF24, 1080PsF25, 1080i50, 1080i59.94, 1080i60, 1080p50, 1080p59.94, 1080p60, 2048 x 1080p23.98, 2048 x 1080p24, 2048 x 1080p25, 2048 x 1080PsF23.98, 2048 x 1080PsF24, 2048 x 1080PsF25, 2048 x 1556PsF23.98, 2048 x 1556PsF24, 2048 x 1556PsF25

SDI Audio Sampling

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

Format Conversion

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

Software

Software Control

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

Internal Software Upgrade

Via included updater application.

Operating Systems

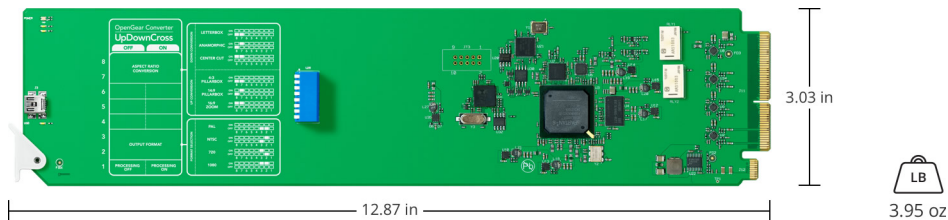Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later.

Windows 8.1 or Windows 10.

Settings Control

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

Physical Specifications

3.03 in

12.87 in

3.95 oz

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

OpenGear Converter UpDownCross

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller