Blackmagicdesign

UltraStudio SDI

Get an attractive, portable and fully machined aluminum design that looks great on your desktop or on location shoots. UltraStudio SDI includes SDI capture and playback, as well as a built in HDMI output for affordable local monitoring using a low cost television as a broadcast monitor. It also includes genlock and RS-422 deck control. UltraStudio SDI powers from the USB 3.0 connection so it is an extremely easy to install and very portable solution.

$395

Connections

SDI Video Input
1 x 10 bit SD/HD switchable.

SDI Video Output
1 x 10 bit SD/HD switchable.

HDMI Video Output
1 x HDMI type A connector

SDI Audio Input
8 Channels embedded in SD and HD.

SDI Audio Output
2 Channels embedded in SD and HD.

HDMI Audio Output
2 Channels embedded in SD and HD.

Sync Input
Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD format.
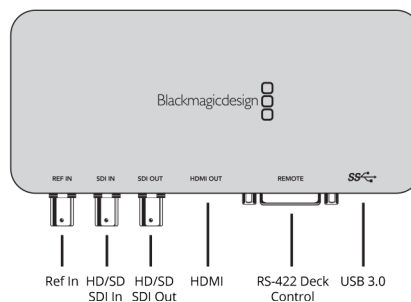
Device Control
Sony™ compatible RS422 deck control ports. Serial ports TxRx direction reversible under software control.

Computer Interface
USB 3.0

Power
USB 3.0 Bus Powered.

Codecs

Supports: AVC-Intra, AVCHD, Canon XF MPEG2, Digital SLR, DV-NTSC, DV-PAL, DVCPRO50, DVCPROHD, DPX, HDV, XDCAM EX, XDCAM HD, XDCAM HD422, Uncompressed 8-bit 4:2:2, Uncompressed 10-bit 4:2:2.

Software

DaVinci Resolve

Fusion

Final Cut Pro X

Premiere Pro CC

Avid Media Composer

After Effects CC

Avid Pro Tools

Steinberg Cubase

Sony Vegas Pro

Photoshop CC

Other supported applications include: Corel VideoStudio Pro X4, Nuke - The Foundry, Avid Symphony, Avid News Cutter, CyberLink Power Director, MAGIX Video Pro X4, Vidcaster Pro & Studio & Broadcast, Uniplay, Playbox AirBox, CasparCG, Magicsoft CG, Steinberg Nuendo, Flash Media Encoder, Xsplit Broadcaster, Wirecast, Livestream Procaster, Imagine Communications Velocity & InfoCaster.

Video Standards

SD Format Support
525p23.98 NTSC, 525p29.97 NTSC, 625p25 PAL

HD Format Support
720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25, 1080p30
1080PsF23.98, 1080PsF24, 1080PsF25,
1080PsF29.97, 1080PsF30
1080i50, 1080i59.94, 1080i60

SDI Compliance
SMPTE 259M and SMPTE 292M.

SDI Metadata Support
VITC read for 3:2 pulldown removal. VANC capture and playback using up to 3 lines of video in file. HD RP188. Closed captioning.

Audio Sampling
Television standard sample rate of 48 kHz at 24 bit.

Video Sampling
4:2:2

Color Precision
10-bit

Color Space
REC 601, REC 709

HDMI Configuration
HDMI automatically configures to connected display.

HDMI Resolution
Pixel for pixel HD resolution input to connected device.

HDMI Color Precision
10 bit

Multiple Rate support
SDI and HDMI video connections are switchable between standard definition and high definition. SDI switches between 270 Mb/s standard definition SDI and 1.5 Gb/s HD-SDI.

Copy Protection
HDMI input is unable to capture from copy protected HDMI sources. Always confirm copyright ownership before capture or distribution of content.

Processing

Colorspace Conversion
Hardware based real time.

HD Down Conversion
Software based down conversion during video playback.

HD Up Conversion
Real time standard definition to 1080HD and 720HD during video capture.

HD Cross Conversion
Real time 720HD to 1080HD during video capture.

Real Time Effects
Premiere Pro CC Mercury Playback Engine effects. Avid Media Composer internal effects.

Operating Systems

Mac OS X 10.9 Mavericks,
Mac OS X 10.10 Yosemite,
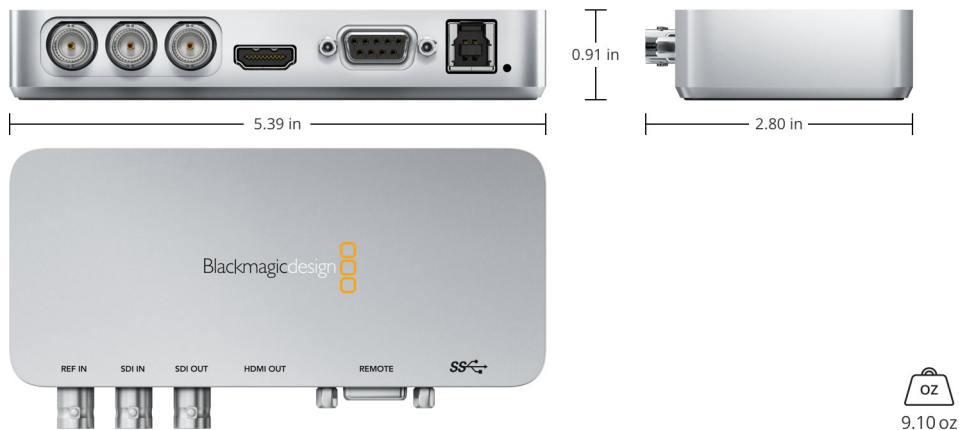Mac OS X 10.11 El Capitan
or later.

Windows 8.1 or
Windows 10.

Power Requirements

USB Bus Powered.

Physical Specifications

5.39 in

0.91 in

2.80 in

9.10 oz

Environmental Specifications

Operating Temperature
5° 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

UltraStudio SDI
USB 3.0 cable
Software CD
Mounting Plate

Extras

Software Included
Media Express, Disk Speed Test, Blackmagic Control Panel and Blackmagic driver on Windows™.

Internal Software Upgrade
Firmware built into software driver. Loaded at system start or via updater software.

Physical Installation
Requires a computer with onboard USB 3.0, or a USB 3.0 PCI Express 2.0 card. Does not support USB 2.0 capture and playback. Please check the Support pages to see the full system requirements.

Warranty

3 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller