

UltraStudio HD Mini

UltraStudio HD Mini features professional broadcast quality connections that include 3G-SDI, analog YUV and composite NTSC/PAL video inputs, along with a reference input. There are also two 1/4" audio connections for analog audio input that work with balanced and HiFi sources. In addition, UltraStudio HD Mini can remote control professional broadcast decks using the built in RS-422 connection. For output, you get dual link 3G-SDI with fill and key, and an HDMI connection for monitoring video with a big screen television!

\$495

[Download Manual](#) [Download Software](#)

Connections

SDI Video Inputs

1 x 3Gb/s SD/HD switchable.

SDI Video Outputs

2 x 3Gb/s SD/HD switchable, supports single and dual link 4:2:2/4:4:4.

SDI Rates

270Mb, 1.5G, 3G

Optical SDI

None

HDMI Video Inputs

None

HDMI Video Outputs

1 x HDMI 1.4b type A connector.

Analog Video Inputs

Y, B-Y, R-Y/NTSC/PAL.

Analog Video Outputs

None

Analog Audio Inputs

2 x 1/4 inch jack connectors for balanced and unbalanced analog audio.

Analog Audio Outputs

None, embedded audio only.

SDI Audio Inputs

16 Channels embedded in SD and HD.

SDI Audio Outputs

16 Channels embedded in SD and HD.

HDMI Audio Outputs

2 Channels embedded in SD and HD.

Reference Input

Tri-Sync or Black Burst.

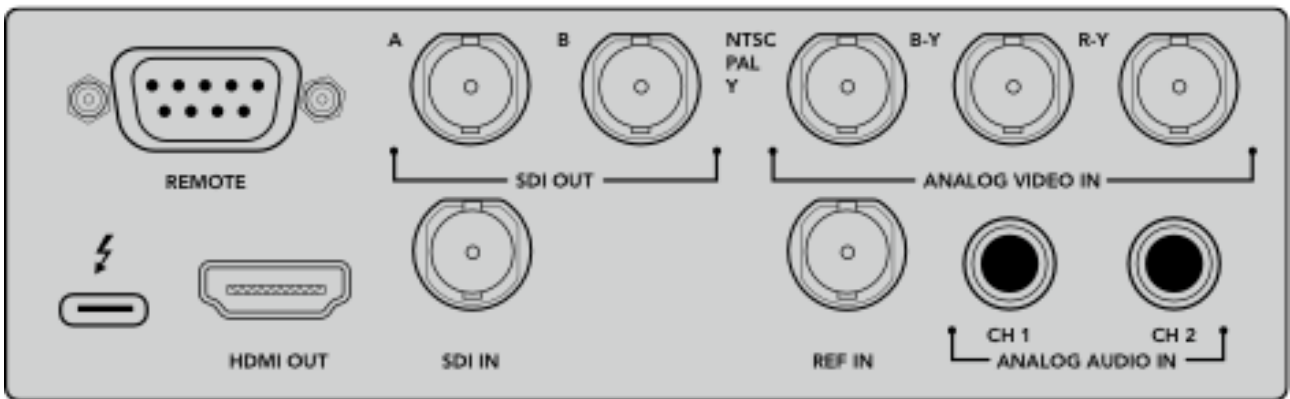


Mini Switches
and USB

Remote

SDI Out

Analog Video In



Thunderbolt
3.0

HDMI
Out

SDI In

REF In

Analog Audio In

Codecs

AVC-Intra, AVCHD, Canon XF MPEG2, Digital SLR, DV-NTSC, DV-PAL, DVCPRO50, DVCPROHD, DPX, HDV, XDCAM EX, XDCAM HD, XDCAM HD422, DNxHD, DNxHR, Apple ProRes 4444, Apple ProRes 422 HQ, Apple ProRes 422, Apple ProRes LT, Apple ProRes 422 Proxy, Uncompressed 8-bit 4:2:2, Uncompressed 10-bit 4:2:2.

Software

Software Included

Media Express, Disk Speed Test, LiveKey, Blackmagic Desktop Video Utility and Blackmagic driver on Mac OS X and Windows. Media Express, Blackmagic Desktop Video Utility and Blackmagic driver on Linux.

Internal Software Upgrade

Firmware built into software driver. Software driver loads upgrades at system start or via updater software.

Software Applications



DaVinci Resolve



Avid Media Composer



Steinberg Nuendo



Fusion



After Effects CC



Autodesk Smoke



Final Cut Pro X



Avid Pro Tools



Adobe Photoshop CC



Premiere Pro CC



Steinberg Cubase

Other supported applications include: Nuke, Steinberg Nuendo, Tools On Air just:in & live:cut & just:play & just:live, Softron OnTheAir, MovieRecorder and OnTheAir CG, Flash Media Encoder, Wirecast, Livestream Producer, Resolume Avenue 5, Magix Vegas Pro, VideoStudio Pro X9.5, CyberLink Power Director, MAGIX Video Pro X, VidBlaster X, Studio and Broadcast, Uniplay One and CG, CasparCG, Magicsoft CG, Xsplit Broadcaster, Imagine Communications Velocity & InfoCaster.

Video 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

2K Video Standards

2K DCI 23.98p, 2K DCI 24p, 2K DCI

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

2K DCI 25PsF

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M and SMPTE 425M A/B

SDI Metadata Support

RP 188/SMPTE 12M-2 and closed captioning.

Audio Sampling

Television rate of 48kHz and 24 bit.

SDI Video Sampling

4:2:2/4:4:4

Color Precision

8, 10, 12-bit RGB 4:4:4 up to 1080p30 and 8, 10-bit YUV 4:2:2 in all standards.

Color Space

REC 601, REC 709

HDMI Resolution

Pixel for pixel HD resolution input to connected device.

Multiple Rate support

SDI and HDMI video connections are switchable between standard definition and high definition. SDI switches between 270 Mb/s, 1.5 Gb/s and 3 Gb/s.

Copy Protection

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

Hardware Frame Buffer

v210 (10 bit YUV), 2vuy (8 bit YUV),

ARGB, BGRA (8 bit RGB), r210 (10 bit

RGB), R12B,R12L (12 bit RGB).

Computer Capture

1 x Thunderbolt™ 3 for Mac and

Windows. Powers from Thunderbolt host computer, includes Blackmagic

Desktop Video SDK.

Control

Built in Control Panel

None. Supports Teranex Mini Smart Panel with 2.2 inch color display for video preview, audio meters and status.

Device Control

1 x Sony™ compatible RS-422 deck control port. Serial ports TxRx direction reversible under software control.

Processing

Colorspace Conversion

Hardware based real time.

HD Down Conversion

Real time 10-bit hardware down conversion on SDI B output, Composite and S-Video when working in HD video formats on playback. Selectable between letterbox, anamorphic 16:9 and center cut 4:3 styles.

Real Time Effects

Final Cut Pro X internal effects. Premiere Pro CC Mercury Playback Engine effects. Avid Media Composer internal effects. DaVinci Resolve.

Physical Installation

Requires computer with a Thunderbolt™ 3 USB-C port. Please check support pages to see the full system requirements.

Operating Systems



Mac OS X 10.11 El Capitan, macOS 10.12 Sierra or later.



Windows 7, 8.1 and 10, all 64-bit.



Linux

Power Requirements

Powered by Thunderbolt cable.

Physical Specifications



Environmental Specifications

Operating Temperature

5° to 40° C (41° to 104° F)

Storage Temperature

-20° to 45° C (-4° to 113° F)

Relative Humidity

0% to 90% non-condensing

What's Included

UltraStudio HD Mini

SD card with software and manual.

DaVinci Resolve SD card

Warranty

3 Year Limited Manufacturer's Warranty.

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