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 ¼" 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!

$625

Connections

SDI Video Inputs
1 x 3Gb/s SD/HD switchable.

SDI Video Outputs
2 x 3Gb/s SD/HD switchable, supports fill and key.

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.

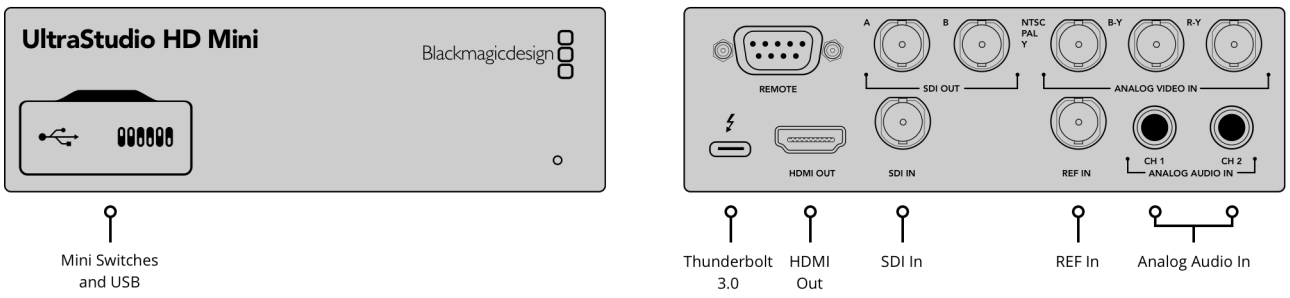
SDI Audio Inputs
16 Channels embedded in SD and HD.

SDI Audio Outputs
16 Channels embedded in SD and HD.

HDMI Audio Outputs
2 Channels embedded in SD and HD.

Timecode Connection
None. RP-188 only.

Reference Input
Tri-Sync or Black Burst.



Supported 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 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

Fusion

Final Cut Pro X

Adobe Premiere Pro CC

Avid Media Composer

Adobe After Effects CC

Avid Pro Tools

Steinberg Cubase

Steinberg Nuendo

Adobe Photoshop CC

Other supported applications include:

The Foundry Nuke, Grass Valley Edius, Sony Catalyst Production Suite, Tools On Air Just: Play & Live & In, Softron MovieRecorder & MReplay, Adobe Flash Media Live Encoder, Telestream Wirecast, Resolume Arena, Magix Vegas Pro & Movie Edit Pro Premium, Corel VideoStudio Pro, CyberLink PowerDirector, Vidblaster X & Studio & Broadcast, Uniplay One & CG, CasparCG Server, Magicsoft CG, Xsplit Broadcaster, Imagine Communications Velocity & InfoCaster, DevTek Easy Media Suite, Metus Ingest, Boinx Software MimoLive, Cinegy Capture Pro, vMix Live, Renewed Vision ProPresenter, Ventuz Director, Class X Liveboard & Coral CG, Glookast Capturer, Open Broadcaster Software Studio, Nautilus NEMO3D, Burst Video Webclip2Go & [REC]Marker, Autodesk Flame, Zoom.

These are third party applications and support may vary, check with your software vendor.

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

Ultra HD Video Standards
None

4K Video Standards
None

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 Space
REC 601, REC 709.

HDMI Resolution
Pixel for pixel HD resolution input from 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.

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).

Color Precision

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

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

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 RS-422 deck control.

Processing

Colorspace Conversion
Hardware based real time.

HD Down Conversion
Real time 10-bit hardware down conversion on SDI B output 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 15.0 Sequoia,
Mac 26.0 Tahoe or later.

Windows 10, 64-bit.
Windows 11.

Linux

Power Requirements

Powered by Thunderbolt cable. Requires computer with a Thunderbolt™ 3 USB-C port.

Physical Specifications



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 HD Mini

Welcome wallet with QR code for software download

DaVinci Resolve SD card

Warranty

3 Year Limited Manufacturer's Warranty.

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