

# 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**

## 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

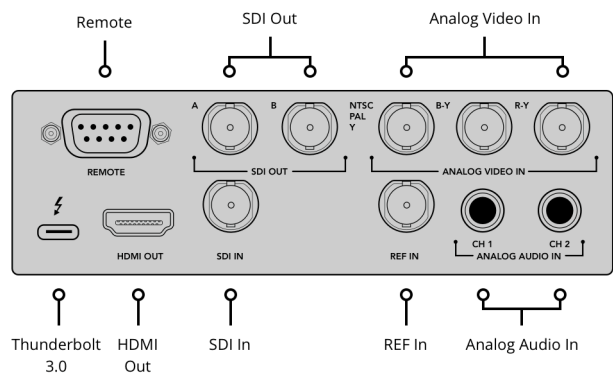
None. RP-188 only.

### Reference Input

Tri-Sync or Black Burst.



Mini Switches and USB



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## 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.

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## 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.

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## 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, Livestream Producer, 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.

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## 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.

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## 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).

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## 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.

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## Computer Capture

1 x Thunderbolt™ 3 for Mac and Windows. Powers from Thunderbolt host computer, includes Blackmagic Desktop Video SDK.

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## 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.

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## 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

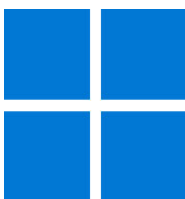
Requires computer with a Thunderbolt™ 3 USB-C port. Please check support pages to see the full system requirements.

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## Operating Systems



Mac 11.1 Big Sur,  
Mac 12.0 Monterey or later.



Windows 8.1, 10 and 11, all 64-bit.



Linux

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## Power Requirements

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

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## Physical Specifications



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## 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

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## What's Included

UltraStudio HD Mini

Welcome wallet with QR code for software download

DaVinci Resolve SD card

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## Warranty

3 Year Limited Manufacturer's Warranty.

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