UltraStudio 4K Mini

UltraStudio 4K Mini is a portable Thunderbolt 3 capture and playback solution packed with the latest broadcast technology! You get broadcast quality 8 and 10-bit high dynamic range capture in all formats up to 4K DCI at 60p, and 12-bit high dynamic range capture in all formats up to 4K DCI at 30p. Plus, the built in SD card reader lets you mount camera media directly on your computer so you can start editing immediately!

**$995**

## Connections

**SDI Video Inputs**
1

**SDI Video Outputs**
2 x program out, 1 x loop out.

**SDI Rates**
270Mb, 1.5G, 3G, 6G, 12G.

**Analog Video Inputs**
Component YUV or Composite NTSC/PAL. Component is switchable between SD and HD.

**Analog Audio Inputs**
2 channels of professional balanced analog audio with 1/4 inch Jack connectors.

**Analog Audio Outputs**
2 channels of professional balanced analog audio with 1/4 inch Jack connectors.

**SDI Audio Inputs**
16 Channels embedded in SD/HD/2K/UDH/4K.

**SDI Audio Outputs**
16 Channels embedded in SD/HD/2K/UDH/4K.

**HDMI 2.0b Video Inputs**
1

**HDMI 2.0b Video Outputs**
1

**HDMI Audio Inputs**
8 Channels embedded in SD/HD/UDH/4K.

**HDMI Audio Outputs**
8 Channels embedded in SD/HD/UDH/4K.

**Mic Input**
1 x XLR microphone input. 48V Phantom Power switchable via software control.

**Sync Input**
Tri-Sync or Black Burst.

**Device Control**
Sony™ compatible RS-422 deck control port. Serial ports TxRx direction reversible under software control.

**USB**
1 x USB-C 3.1 Gen 1 (up to 5 Gb/s).

**SD Card Reader**
UHS-I and UHS-II compatible.

**Computer Interface**
Thunderbolt™ 3 (Mac OS, Windows and Linux) with 45W host charging capability.
Supported Codecs


Software

Software Included
DaVinci Resolve, Media Express, Disk Speed Test, LiveKey, Blackmagic Desktop Video Utility and Blackmagic driver on Mac OS 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:

SDI 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**
2KPsF23.98 DCI, 2KPsF24 DCI, 2KPsF25 DCI, 2KPsF29.97 DCI, 2KPsF30 DCI

**Ultra HD Video Standards**
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60

**4K Video Standards**
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI, 4Kp50 DCI, 4Kp59.94 DCI, 4Kp60 DCI

**3D 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
2KPsF23.98 DCI, 2KPsF24 DCI, 2KPsF25 DCI, 2KPsF29.97 DCI, 2KPsF30 DCI
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI
SDI Compliance

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

Multiple Rate Support
SDI video connections are switchable between SD/HD/2K/UHD and 4K.

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

SDI Video Sampling
4:2:2, 4:4:4

SDI Color Precision
8, 10, 12-bit RGB 4:4:4 in 2D modes up to 4Kp30 DCI and 8, 10-bit YUV 4:2:2 in all 2D modes.
8, 10, 12-bit RGB 4:4:4 in 3D modes up to 2Kp60 DCI and 8, 10-bit YUV 4:2:2 in all 3D modes.

SDI Color Space
REC 601, REC 709 and REC 2020

HDMI 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
1080i50, 1080i59.94, 1080i60

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p50,
2160p59.94, 2160p60

4K Video Standards
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,
4Kp29.97 DCI, 4Kp30 DCI, 4Kp30 DCI,
4Kp59.94 DCI, 4Kp60 DCI

3D Video Standards
720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60
1080i50, 1080i59.94, 1080i60
2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,
4Kp29.97 DCI, 4Kp30 DCI.

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

HDMI Video Sampling
4:4:4, 4:2:2 and 4:2:0

HDMI Color Precision
8, 10 and 12-bit

HDMI Configuration
HDMI 2.0b supports Deep Color and HDR. Automatically configures to connected display.

Multiple Rate Support
HDMI video connections are switchable between SD/HD/UHD and 4K.

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

Processing

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

Colorsapce Conversion
Hardware based real time.

3D Processing
Dual stream and frame packed capture and playback. 3D capture supported via HDMI input only.

Physical Installation
Requires a computer with a Thunderbolt™ 3 port. Please check support pages to see the full system requirements.
Physical Specifications

Operating Systems

Mac 10.14 Mojave, Mac 10.15 Catalina or later.

Windows 8.1 and 10, both 64-bit.

Linux

Power Requirements

Power Supply
1 x Internal 100 - 240V AC

Power Usage
75.3W max

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 4K Mini
SD card with software and manual

Warranty

3 Year Limited
Manufacturer's Warranty.