Get the world's smallest 3G-SDI and HDMI video playback from your Thunderbolt 3 laptop or desktop computer! UltraStudio Monitor 3G supports broadcast quality 10 bit professional SDI and HDMI monitoring from popular editing software such as DaVinci Resolve, Final Cut Pro X, Media Composer and Adobe Premiere Pro CC, plus high end broadcast graphics and titling systems.

$115

Connections

SDI Video Outputs
1

SDI Rates
270Mb, 1.5G, 3G

SDI Audio Outputs
16 Channels embedded in SD/HD

HDMI Video Outputs
1

HDMI Audio Outputs
8 Channels embedded in SD/HD

Computer Interface
Thunderbolt™ 3 (Mac OS, Windows and Linux)

Supported Codecs

Software

**Software Included**
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
- Adobe After Effects CC
- Adobe Photoshop CC
- Adobe Character Animator CC
- Avid Media Composer
- Avid Pro Tools
- Steinberg Cubase
- Steinberg Nuendo

**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
2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI, 2Kp29.97 DCI, 2Kp30 DCI, 2Kp50 DCI,
2Kp59.94 DCI, 2Kp60 DCI
2KPsF23.98 DCI, 2KPsF24 DCI, 2KPsF25 DCI, 2KPsF29.97 DCI,
2KPsF30 DCI

SDI Compliance
SMPTE 259M, SMPTE 274M,
SMPTE 296M, SMPTE 424M, SMPTE 425M A/B and SMPTE ST2108-1

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

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

SDI Color Space
REC 601, REC 709 and REC 2020

SDI HDR Support
HDR metadata packing, HLG and PQ transfer characteristics.

Multiple Rate Support
SDI video connection is switchable between SD and HD.

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

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

HDMI Video Sampling
4:2:2 and 4:4:4

HDMI Color Precision

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

HDMI Color Space
REC 601, REC 709 and REC 2020

HDMI HDR Support
HDR metadata packing, HLG and PQ transfer characteristics.

Multiple Rate Support
HDMI video connection is switchable between SD and HD.

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).
Processing

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

**Colors Space Conversion**
Hardware based real time.

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

Physical Specifications

![Image of UltraStudio Monitor 3G]

**Operating Systems**

- Mac 10.14 Mojave, Mac 10.15 Catalina or later.
- Windows 8.1 and 10, both 64-bit.
- Linux

**Power Requirements**

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

**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 Monitor 3G

Warranty

12 Month Limited Manufacturer's Warranty.