

# UltraStudio Express Monitor 3G



Get compact 3G-SDI and HDMI video playback from your USB4 or Thunderbolt 4 laptop or desktop computer! UltraStudio Express Monitor 3G supports broadcast quality 10-bit SDI and HDMI video outputs from popular editing software such as DaVinci Resolve or broadcast graphics software.

**S\$205**

## Connections

### SDI Video Outputs

1 x 10-bit SD/HD switchable

### SDI Rates

270Mb, 1.5G, 3G

### SDI Audio Outputs

16 Channels embedded in SD/HD

### HDMI Video Outputs

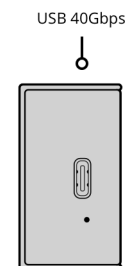
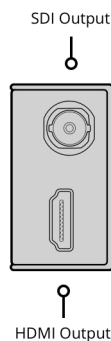
1 x HDMI 2.0 type A connector

### HDMI Audio Outputs

8 Channels embedded in SD/HD

### Computer Interface

1 x USB Type-C® supporting USB 40Gbps.



## Supported Codecs

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

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## 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.

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## Software Applications



DaVinci Resolve



Fusion



Final Cut Pro



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:

The Foundry Nuke, Sony Catalyst Production Suite, Tools On Air Just: Play & Live, Magix Movie Edit Pro Premium, Corel VideoStudio Pro, CyberLink PowerDirector, Grass Valley Edius, Softron Mreplay, Telestream Wirecast, Resolume Arena, Vegas Creative Software Vegas Pro, VidblasterX Studio and Broadcast, Unimedia Technologies UniplayOne and Uniplay-CG, CasparCG Server, Magicsoft CG, Xsplit Broadcaster, DevTek Easy Media Suite, Boinx Software MimoLive, StudioCoast vMix, Renewed Vision ProPresenter, Ventuz Director, Class X Liveboard and CoralCG, Open Broadcaster Software Studio, Nautilus Studio Nemo3D, Burst Video Webclip2Go, Derivative TouchDesigner, Assimilate Scratch and Live Assist, NewBlue Title Live and Titler Pro, SGO Mistika.

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

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## SDI Video Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94, 720p60  
1080i50, 1080i59.94, 1080i60  
1080PsF23.98, 1080PsF24,  
1080PsF25, 1080PsF29.97, 1080PsF30  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60

### 2K Video Standards

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

### SDI Compliance

SMPTE 259M, SMPTE 274M,  
SMPTE 296M, SMPTE 424M, SMPTE  
425M level A and B, 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 and 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.

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## HDMI Video Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94, 720p60  
1080i50, 1080i59.94, 1080i60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60

### 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

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

### 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.

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## Hardware Frame Buffer

### 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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## Processing

### Real Time Effects

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

### Colorspace Conversion

Hardware based real time.

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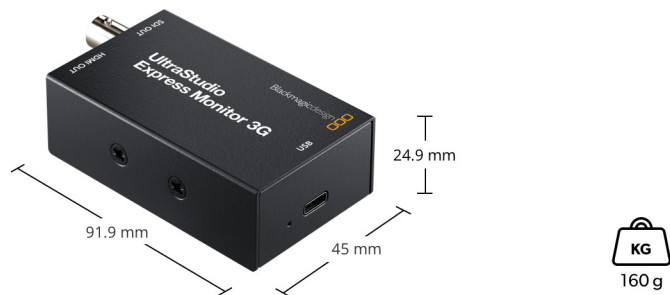
## Physical Installation

### Physical Installation

Requires computer with a USB Type-C® port with 40Gbps signalling rate.

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## Physical Specifications



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## Operating Systems



Mac 15.0 Sequoia,  
Mac 26.0 Tahoe or later.



Windows 10, 64-bit.  
Windows 11.



Linux

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## Power Requirements

Powered by Type-C® cable. Requires computer with a USB Type-C® 40Gb/s port.

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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 Express Monitor 3G

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## Warranty

1 Year Limited Manufacturer's Warranty.

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