

## UltraStudio Recorder 3G



Get the world's smallest pocket sized SDI and HDMI video capture for your Thunderbolt 3 laptop or desktop computer! UltraStudio Recorder 3G features the highest quality 10 bit uncompressed and compressed video capture that's compatible with all popular video software including DaVinci Resolve, Avid Media Composer, Adobe Premiere Pro CC and hundreds more!

**\$115**

### Connections

#### SDI Video Inputs

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#### SDI Rates

270Mb, 1.5G, 3G

#### SDI Audio Inputs

16 Channels embedded in SD/HD

#### HDMI Video Inputs

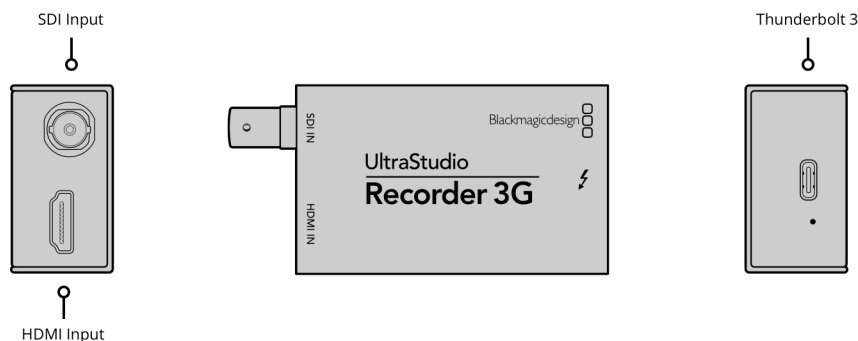
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#### HDMI Audio Inputs

8 Channels embedded in SD/HD

#### Computer Interface

Thunderbolt™ 3 (Mac OS, Windows and Linux)



### 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



Adobe Premiere Pro CC



Adobe Photoshop CC

### Other supported applications include:

Sony Catalyst Production Suite, Grass Valley Edius, Tools On Air Just In, Softron MovieRecorder and Mreplay, Adobe Flash Media Live Encoder, Metus Ingest, Cinegy Capture Pro, Glookast Capturer, Burst Video [REC]Marker and Webclip2Go, 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, Derivative TouchDesigner, Assimilate Scratch and Live Assist, NewBlue Title Live and Titler Pro, SGO Mistika.

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## 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 and  
SMPTE 425M A/B

### 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

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### 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  
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

8-bit RGB 4:4:4, 8-bit YUV 4:4:4 and 12-bit YUV 4:2:2 in all standards.

### HDMI Configuration

HDMI 2.0a supports Deep Color.

### HDMI Color Space

REC 601, REC 709 and REC 2020

### Multiple Rate Support

HDMI video connection is switchable between SD and HD.

### Copy Protection

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

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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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## Processing

### Colorspace 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.

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## Physical Specifications



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## Operating Systems



Mac 10.14 Mojave,  
Mac 10.15 Catalina or later.



Windows 8.1 and 10, both 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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## 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 Recorder 3G

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## Warranty

12 Month Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller