

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!

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

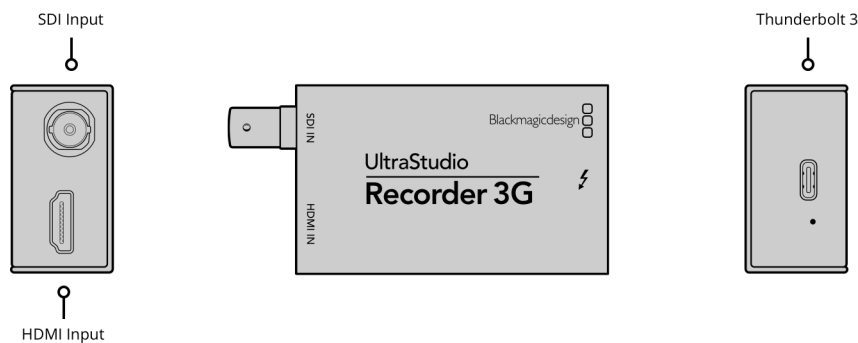
1

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.

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



Wirecast



vMix



OBS

Other supported applications include:

Cinegy Capture Pro, DevTek EasyMediaSuite, Glookast Capturer, Livestream Producer, Metus Ingest, Softron MovieRecorder, ToolsOnAir just:in, Burst Video WebClip2Go & [REC]Marker, Zoom.

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

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

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.

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

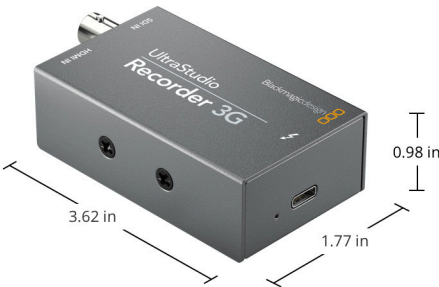
Colorspace Conversion

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.

Physical Specifications



5.57 oz

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 Recorder 3G

Warranty

12 Month Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller