

UltraStudio Mini Recorder 12G

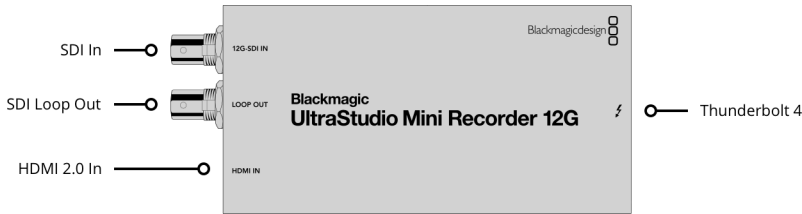


Get 12G-SDI and HDMI video capture for your Thunderbolt™ laptop or desktop computer! The compact UltraStudio Mini Recorder 12G features broadcast quality 10-bit video connections in both HDMI and 12G-SDI. It's compatible with all popular video software such as DaVinci Resolve plus AI image processing and live streaming software. UltraStudio Mini Recorder 12G has multi-rate HDMI and 12G-SDI connections which support HD for broadcast video use as well as the latest Ultra HD video standards up to 2160p60.

US\$429

Connections

SDI Video Inputs 1	SDI Audio Inputs 16 channels embedded audio on SDI input.	HDMI Audio Inputs 8 channels embedded audio on HDMI input.
SDI Loop Outputs 1	HDMI 2.0 Video Inputs 1	Computer Interface Thunderbolt 4 (Mac OS Apple Silicon Macs, Windows and Linux)
SDI Rates 270Mb, 1.5G, 3G, 6G, 12G.		



Supported Codecs

Video 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, Metus Ingest, Softron MovieRecorder, ToolsOnAir just:in, Burst Video WebClip2Go & [REC]Marker, Zoom.

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

SDI Video Standards

SDI 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, 1080p47.95,
1080p48, 1080p50, 1080p59.94,
1080p60
1080PsF23.98, 1080PsF24,
1080PsF25, 1080PsF29.97, 1080PsF30

2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,
2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95
DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94
DCI, 2Kp60 DCI
2KPsF23.98 DCI, 2KPsF24 DCI,
2KPsF25 DCI, 2KPsF29.97 DCI,
2KPsF30 DCI

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94,
2160p60

4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,
4Kp29.97 DCI, 4Kp30 DCI, 4Kp47.95
DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94
DCI and 4Kp60 DCI

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE
296M, SMPTE 424M, SMPTE 425M
level A and B, SMPTE 2081-1, SMPTE
2081-10, SMPTE 2082-1, SMPTE
2082-10, SMPTE 2084 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 Color Precision 8, 10, 12-bit RGB 4:4:4 up to 2160p30, and 8, 10-bit YUV 4:2:2 in all standards.	HDR Support HDR static metadata packing, HLG and PQ transfer characteristics.
SDI Video Sampling 4:2:2, 4:4:4	SDI Color Space Rec. 601, Rec. 709 and Rec. 2020.	Multiple Rate Support SDI video connection is switchable between SD, HD, 2K, Ultra HD and 4K.

HDMI Video Standards

SDI Video Standards 525i59.94 NTSC, 625i50 PAL	4K Video Standards 4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI, 4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94 DCI and 4Kp60 DCI	HDMI Configuration HDMI 2.0 supports Deep Color.
HD Video Standards 720p50, 720p59.94, 720p60 1080i50, 1080i59.94, 1080i60 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60	HDMI Audio Sampling Television standard sample rate of 48 kHz and 24 bit.	HDMI Color Space Rec. 601, Rec. 709 and Rec. 2020.
Ultra HD Video Standards 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p47.95, 2160p48, 2160p50, 2160p59.94, 2160p60	HDMI Video Sampling 4:2:2 and 4:4:4	HDR Support HDR static metadata packing, HLG and PQ transfer characteristics.
	HDMI Color Precision 8, 10 and 12-bit RGB 444, 8-bit YUV 444* and 12-bit YUV 422* in all standards * converted to 10-bit YUV 422	Multiple Rate Support HDMI video connection is switchable between SD, HD, Ultra HD 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.

Hardware Frame Buffer

2vuy (8-bit YUV), ARGB, BGRA (8-bit RGB), Ay10 (10-bit YUVA), r210 (10-bit RGB), v210 (10-bit YUV), R12B, R12L (12-bit RGB).

Processing

Colorspace Conversion
Hardware based real time.

Operating Systems



Mac 15.0 Sequoia,
Mac 26.0 Tahoe or later.



Windows 10, 64-bit.
Windows 11.



Linux

Power Input

Powered by Thunderbolt cable.
Requires computer with a
Thunderbolt 4 USB-C port.

Power Usage

15 W

Physical Installation

Works with Apple Silicon Macs and Thunderbolt 4 / Thunderbolt 5 PCs.

Physical Specifications



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 Mini Recorder 12G

Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's Warranty.

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