Blackmagicdesign

HyperDeck Studio 12G

When you need to go beyond 1080p30, HyperDeck Studio 12G is a more advanced version of HyperDeck Studio. Featuring 12G-SDI connections and HDMI 2.0, HyperDeck Studio 12G works with all SD, HD and Ultra HD formats up to 2160p60 over a single cable. You still get all of the benefits of HyperDeck Studio, including its familiar VTR style deck controls and broadcast quality compressed and uncompressed 10-bit 4:2:2 recording.

$1,495

Connections

SDI Video Inputs
1

SDI Video Outputs
2

SDI Rates
270 Mb, 1.5G, 3G, 6G, 12G.

HDMI Video Inputs
HDMI 2.0 type A connector with support for Ultra HD 4K 10-bit 60p 4:2:2.

HDMI Video Outputs
HDMI 2.0 type A connector with support for Ultra HD 4K 10-bit 60p 4:2:2.

Analog Video Inputs
None

Analog Video Outputs
None

Analog Audio Inputs
None, embedded audio only.

Analog Audio Outputs
None, embedded audio only.

Timecode Connection
None

SDI Audio Inputs
16 channels embedded in SD, HD, and UHD in QuickTime files.
2 channels embedded in HD in Avid DNxHD MXF files.

SDI Audio Outputs
16 channels embedded in SD, HD, and UHD in QuickTime files.
2 channels embedded in HD in Avid DNxHD MXF files.

HDMI Audio Inputs
8 channels embedded in SD, HD, and UHD in QuickTime files. 2 channels embedded in HD in Avid DNxHD MXF files.

HDMI Audio Outputs
8 channels embedded in SD, HD, and UHD in QuickTime files. 2 channels embedded in HD in Avid DNxHD MXF files.
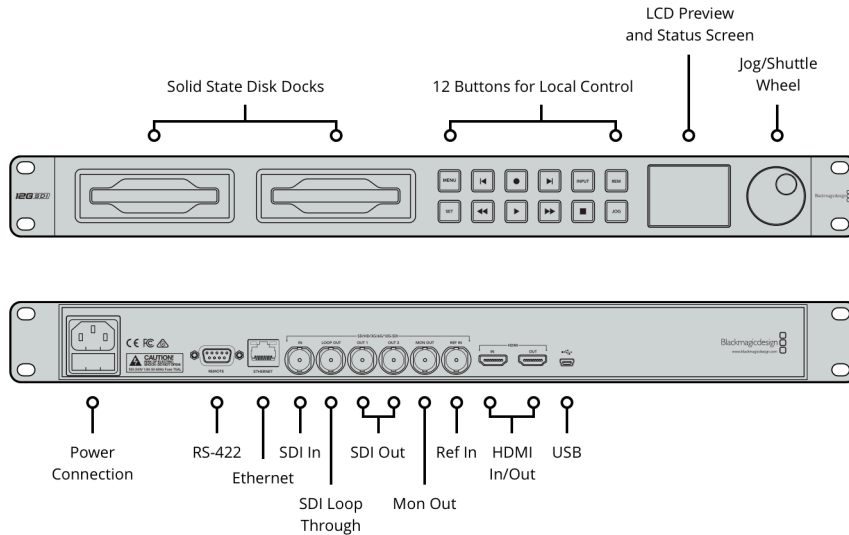
Reference Input
Tri-Sync or Black Burst.

Recorder Configuration
Front panel configurable or USB 2.0 high speed interface.

Computer Interface
1 x USB 2.0 Mini-B port for software updates and HyperDeck Utility software control.

Solid State Disk Docks   12 Buttons for Local Control   LCD Preview and Status Screen   Jog/Shuttle Wheel

Power Connection   RS-422   Ethernet   SDI In   SDI Loop Through   SDI Out   Mon Out   Ref In   HDMI In/Out   USB

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

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p50,
2160p59.94, 2160p60

SDI Compliance
SMPTE 259M, SMPTE 292M,
SMPTE 296M, SMPTE 425M Level B

SDI Metadata Support
HD RP188 and closed captioning
CEA-708.

Audio Sampling
Television standard 24-bit, 48 kHz
sample rate.

Video Sampling
4:2:2

Color Precision
10-bit

Color Space
REC 601, REC 709, REC 2020
(playback only)

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

Media

Media
2 x SSD for SD, HD and
Ultra HD recording.

Media Type
SATA-II or SATA-III solid state disc.

Media Format
Can format discs to ExFAT (Windows/
Mac) or HFS+ (Mac) file systems.

Supported Codecs

Uncompressed QuickTime, ProRes 422 HQ QuickTime, ProRes 422 QuickTime, ProRes 422 LT QuickTime, ProRes 422 Proxy QuickTime, Avid DNxHD/HR QuickTime and Avid DNxHD/HR MXF.

Computer Capture

None

Control

Built in Control Panel
12 buttons for transport and menu control, 2.2 inch color display.

External Control
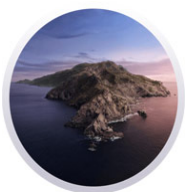RS-422 deck control, SDI start/stop, timecode run. Includes Blackmagic HyperDeck SDK and Ethernet HyperDeck Control Protocol.

Software

Software Included
Media Express, Disk Speed Test, Blackmagic System Preferences and Blackmagic driver (Mac only).

Internal Software Upgrade
Loaded at system start, or via updater software using USB port.

Operating Systems

Mac 10.14 Mojave,
Mac 10.15 Catalina or later.

Windows 8.1 and 10.

Display

Built in LCD for video, audio and timecode monitoring and menu settings.
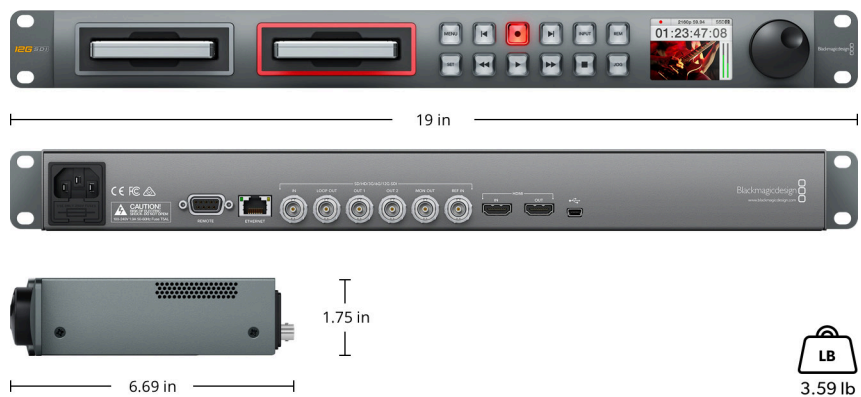
Physical Installation

1 rack unit size. Less than
7 inches deep.

Power Requirements

Power Supply
1 x Internal 100 - 240V AC.

Physical Specifications

19 in

1.75 in

6.69 in

LB
3.59 lb

Environmental Specifications

Operating Temperature	Storage Temperature	Relative Humidity
5° to 40° C (41° to 104° F)	-20° to 45° C (-4° to 113° F)	0% to 90% non-condensing

What's Included

HyperDeck Studio 12G
SD card with software, user manual,
Blackmagic HyperDeck SDK and
Ethernet HyperDeck Control Protocol

Warranty

12 Month Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller