

## 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.

### Connections

#### SDI Video Input

1

#### SDI Video Output

2

#### SDI Rates

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

#### HDMI Video Input

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

#### HDMI Video Output

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

#### Analog Video Input

None.

#### Analog Video Output

None.

#### Analog Audio Inputs

None, embedded audio only.

#### Analog Audio Outputs

None, embedded audio only.

#### Timecode Connections

None.

#### SDI Audio Input

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

#### SDI Audio Output

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

#### HDMI Audio Input

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

#### HDMI Audio Output

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

#### Reference Input

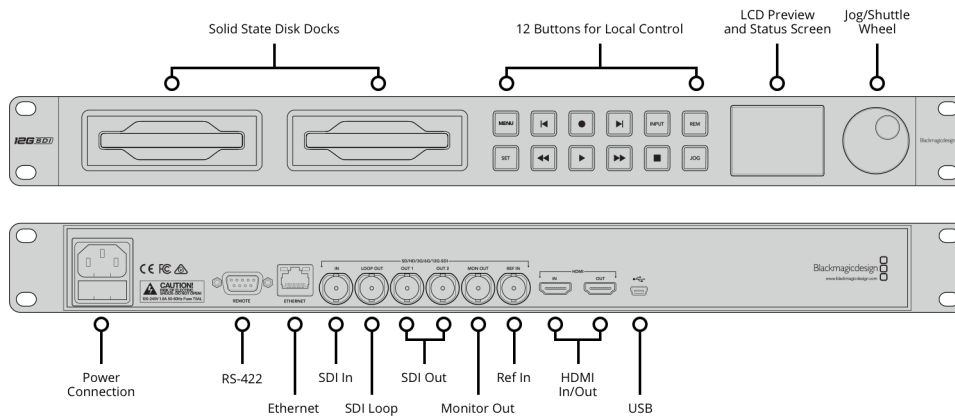
Tri-Sync or Black Burst.

#### 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.



## 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  
 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

### 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, Apple ProRes 422 HQ QuickTime, ProRes 422 QuickTime, ProRes 422 LT QuickTime, ProRes 422 Proxy QuickTime, Avid DNxHD QuickTime and Avid DNxHD MXF up to 1080i60.

## Computer Capture

None

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## 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.

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## 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.

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## Operating Systems



Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later.



Windows 8.1 or Windows 10.

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## Display

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

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## Physical Installation

1 rack unit size. Less than 7 inches deep.

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## Power Requirements

### Power Supply

1x Internal 100 - 240V AC.

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## Physical Specifications



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## Environmental Specifications

**Operating Temperature:**  
5° to 40° C (41° 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

HyperDeck Studio 12G

SD card with software, user manual, Blackmagic HyperDeck SDK and Ethernet HyperDeck Control Protocol.

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## Warranty

12 Month Limited Manufacturer's Warranty.

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