

# HyperDeck Studio 4K Pro



For extreme power, the HyperDeck Studio 4K Pro has all the features of the HD models, combined with incredible processing for working in Ultra HD. This model's SDI has been upgraded to full 12G-SDI with a loop 12G-SDI output. The two SDI outputs are both 12G-SDI so you can play ProRes 4444 files for true Ultra HD fill and key out. The HDMI connections and the ProRes and DNx file formats all switch between SD, HD and Ultra HD television standards. Like the other models, H.264 is included for SD and HD, but then switches to H.265 when recording in Ultra HD. Even the networking has been upgraded to 10G Ethernet for incredible speed! You also get 2 redundant AC power supplies!

**\$1,495**

## Connections

**SDI Video Inputs**

1

**SDI Video Outputs**

2

**SDI Monitor Outputs**

1

**SDI Rates**

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

**HDMI 2.0 Video Inputs**

1

**HDMI 2.0 Video Outputs**

1

**Built in Speaker**

Mono

**Audio Output**

1 x 6.35 mm headphone jack.

**Screen**

2.2 inch LCD.

**Timecode Connections**

1 x XLR In, 1 x XLR Out.

**Reference Connections**

1 x BNC In, 1 x BNC Out.

Tri-Sync or Black Burst.

**SDI Audio Inputs**

16 channels embedded audio.

**SDI Audio Outputs**

16 channels embedded audio.

**HDMI Audio Inputs**

8 channels embedded audio.

**HDMI Audio Outputs**

8 channels embedded audio.

**Remote Control**

1 x RS-422 In, 1 x RS-422 Out.

**Recorder Configuration**

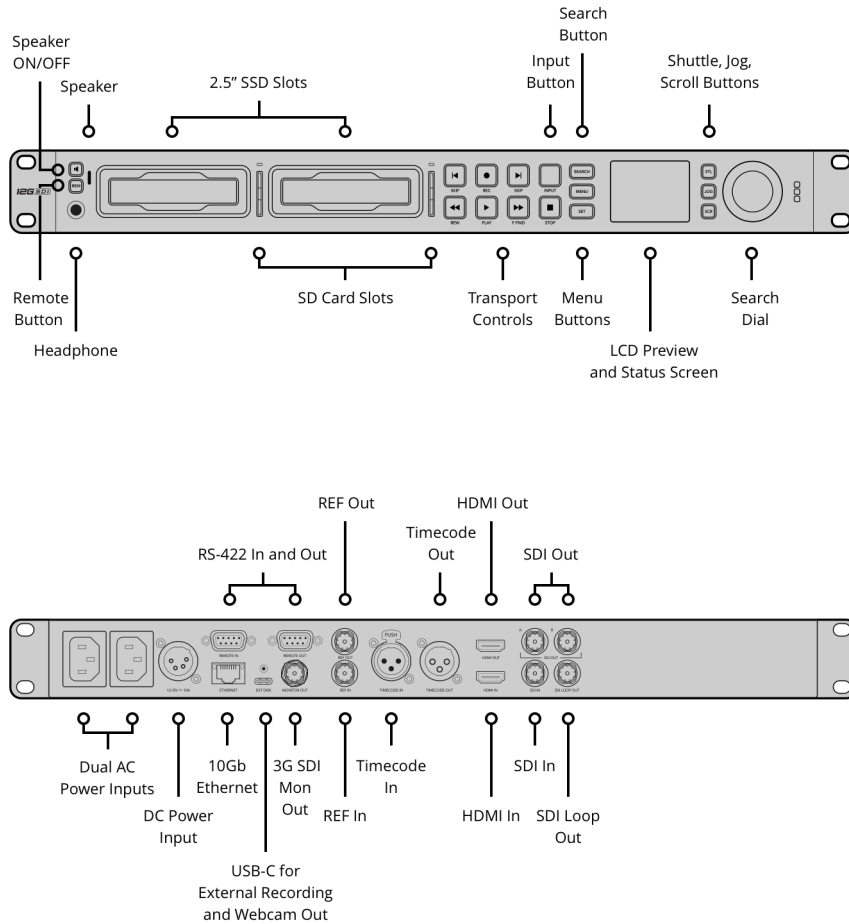
Via user interface or Blackmagic HyperDeck Ethernet Protocol.

**Ethernet**

10Gb/s

**Computer Interface**

1 x USB Type-C 3.1 Gen 2 (up to 10Gb/s) for external drive recording, webcam out, software configuration and updates.



## Standards

### SD 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, 1080p50,  
 1080p59.94, 1080p60  
 1080PsF23.98, 1080PsF24,  
 1080PsF25, 1080PsF29.97, 1080PsF30

### 2K DCI Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,  
 2Kp29.97 DCI, 2Kp30 DCI

### Ultra HD Video Standards

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

### 4K DCI Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,  
 4Kp29.97 DCI, 4Kp30 DCI

### SDI Compliance

SMPTE 259M, SMPTE 292M,  
 SMPTE 296M, SMPTE 372M,  
 SMPTE 424M, SMPTE 425M  
 level A and B, SMPTE 2081-1,  
 SMPTE 2081-10, SMPTE 2082-1,  
 SMPTE 2082-10, SMPTE 2084 and  
 SMPTE 2108-1.

### SDI Metadata Support

HD RP188 and closed captioning  
 CEA-708. HDR Metadata supported  
 on SDI.

### Supported HDMI Formats

525i59.94 NTSC, 625i50 PAL,  
 720p50, 720p59.94, 720p60,  
 1080i50, 1080i59.94, 1080i60,  
 1080p23.98, 1080p24, 1080p25,  
 1080p29.97, 1080p30, 1080p50,  
 1080p59.94, 1080p60,  
 2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,  
 2Kp29.97 DCI, 2Kp30 DCI,  
 2160p23.98, 2160p24, 2160p25,  
 2160p29.97, 2160p30, 2160p50,  
 2160p59.94, 2160p60,  
 4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,  
 4Kp29.97 DCI, 4Kp30 DCI

### Audio Sampling

Television standard 24-bit, 48 kHz  
 sample rate.

### Video Sampling

4:2:2 YUV

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**Color Precision**

10-bit

**Color Space**

REC 601, REC 709, REC 2020. 33 point 3D LUTs can be applied to SDI monitor out.

**HDR Support**

Hybrid Log-Gamma, ST2084 300, ST2084 500, ST2084 800, ST2084 1000, ST2084 2000, ST2084 4000, ST2084.

**Multi Rate Support**

Auto detection of SD, HD, 6G-SDI and 12G-SDI.

**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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## Media

**Media**

2 x 2.5 inch disc slots  
2 x SD card slots  
1 x USB-C 3.1 Gen 2 expansion port for external recording of SD, HD, 2K DCI, Ultra HD and 4K DCI. Please refer to either the Manual or the Information Note at [www.blackmagicdesign.com/support](http://www.blackmagicdesign.com/support) for compatible media.

**Media Type**

SATA-II or SATA-III 2.5 inch solid state media. UHS-I and UHS-II SD cards.

**Media Format**

Can format media to ExFAT (Windows/Mac) or HFS+ (Mac) file systems.

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## Supported Codecs

ProRes HQ QuickTime, ProRes 422 QuickTime, ProRes LT QuickTime, ProRes Proxy QuickTime for all formats up to 2160p60. Playback only of ProRes 4444 QuickTime up to 2160p60 with auto routing of fill and key over SDI A and B outputs. DNxHD 220x, DNxHD 220x MXF, DNxHD 145, DNxHD 145 MXF, DNxHD 45, DNxHD 45 MXF for 720p and 1080p HD formats up to 60fps. DNxHR HQX, DNxHR HQX MXF, DNxHR SQ, DNxHR SQ MXF, DNxHR LB, DNxHR LB MXF for 2K DCI and 2160p formats up to 60fps. H.265 SDI 4:2:2 10-bit, H.265 High 4:2:0 10-bit, H.265 Medium 4:2:0 10-bit, H.265 Low 4:2:0 10-bit for all 2160p formats up to 60 fps. H.264 SDI 4:2:2 10-bit, H.264 High 4:2:0 8-bit, H.264 Medium 4:2:0 8-bit, H.264 Low 4:2:0 8-bit for all formats up to 1080p60.

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## Control

**Built in Control Panel**

16 buttons for transport and device control with search dial featuring electronic clutch and 2.2 inch color display.

**External Control**

RS-422 deck control, SDI start/stop, timecode run. Includes Blackmagic HyperDeck Ethernet Protocol. Supports remote FTP file upload.

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## Software

**Software Included**

Blackmagic OS Blackmagic HyperDeck Setup Internal Software Upgrade Loaded at system start, or via Blackmagic HyperDeck Setup using USB port.

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## Operating Systems



Mac 10.15 Catalina,  
Mac 11.1 Big Sur or later.



Windows 10, 64-bit.

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## Displays

Built in 2.2 inch LCD for video, audio and timecode monitoring and menu settings.  
LED bezel indicator lights around SSD media slots and LED indicator lights above the SD media slots.

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## Power Requirements

### Power Supply

2 x Internal 100 - 240V AC 50/60Hz.  
1 x 4 pin XLR 12V DC In for external  
power supply or battery use.

### Power Usage

100 W max.

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## Accessories

### Optional Accessories

HyperDeck Extreme Control

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## Physical Installation

1 rack unit height.

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## Physical Specifications



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## Environmental Specifications

### Operating Temperature

0° to 40° C (32° to 104° F)

### Storage Temperature

-20° to 60° C (-4° to 140° F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

HyperDeck Studio 4K Pro

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## Warranty

12 Month Limited Manufacturer's Warranty.

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