

HyperDeck Extreme 4K HDR



HyperDeck Extreme 4K HDR features the trusted reliability of HyperDeck combined with new innovations such as space saving H.265 files, optional internal cache, 3D LUTs and HDR support! With the ability to record up to native 4K in H.265, you get reduced storage costs and amazing image quality. The large touch screen ensures a perfect view of your recording as well as control over all deck settings.

\$2,995

Connections

SDI Video Inputs

1

SDI Video Outputs

3 (12G-SDI A and B plus 3G-SDI Monitor Out)

SDI Rates

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

HDMI 2.0 Video Inputs

1

HDMI 2.0 Video Outputs

1

Analog Video Inputs

1 x Component YUV on 3 BNCs,
1 x Composite NTSC/PAL on 1 BNC.

Analog Video Outputs

None

Analog Audio Inputs

4 Channels of professional balanced analog audio via XLR connectors and 2 channels of consumer unbalanced via RCA connectors.

Built in Speaker

Mono

Screen

7 inch 1920 x 1200. 2000 nit DCI-P3
100% HDR LCD

Timecode Connections

1 x XLR in and 1 x XLR out.

Reference Input

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

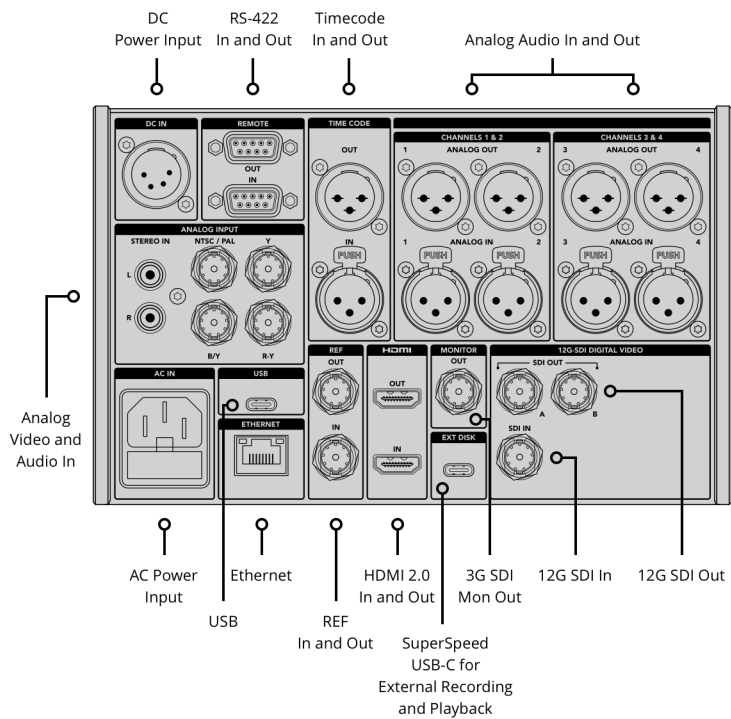
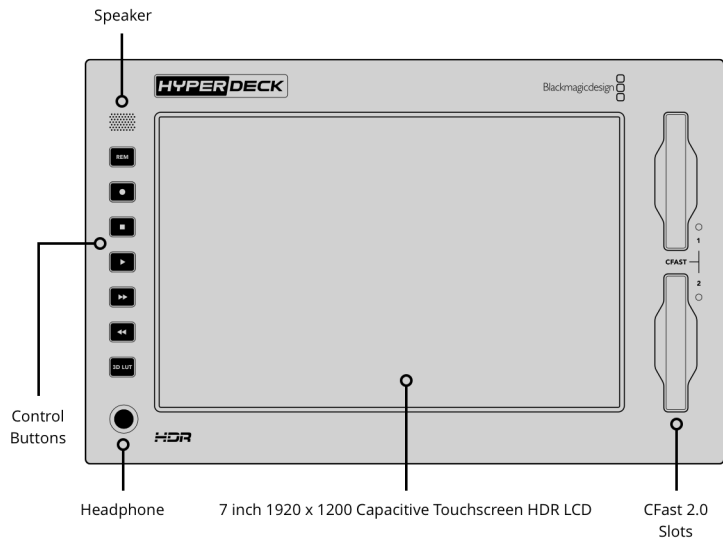
10Gb/s

External Recording

1 x USB-C 3.1 Gen 2 (up to 10Gb/s) for
external disk recording.

Computer Interface

1 x USB-C for software 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

1080p23.98 DCI, 1080p24 DCI,
1080p25 DCI
1080PsF23.98 DCI, 1080PsF24 DCI,
1080PsF25 DCI

Ultra HD Video Standards

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

4K DCI Video Standards 2160p23.98 DCI, 2160p24 DCI, 2160p25 DCI	SDI Metadata Support HD RP188 and closed captioning CEA-708. HDR Metadata supported on SDI.	Color Space REC 601, REC 709, REC 2020. 33 point 3D LUTs can be applied via the LUTS menu tab.
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 and SMPTE 2084.	Audio Sampling Television standard 24-bit, 48 kHz sample rate.	Multi Rate Support Auto detection of SD, HD, 6G-SDI, and 12G-SDI.
	Video Sampling 4:2:2 YUV	Copy Protection HDMI input is unable to capture from copy protected HDMI sources. Always confirm copyright ownership before capture or distribution of content.
	Color Precision 10-bit	

Media

Cache Recording Slot for optional M.2 PCIe NVMe card for cache recording up to 16Gb/s. 60mm 80mm and 110mm supported.	Media 2 x CFast 2.0 card slots and 1 x USB-C 3.1 Gen 2 expansion port for external recording of SD, HD, and Ultra HD.	Media Format Can format media to ExFAT (Windows/Mac) or HFS+ (Mac) file systems.
	Media Type CFast card and external USB-C flash drives.	

Supported Codecs

Video 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 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.

Audio Codecs

AAC 2 Channels.
PCM 2, 4, 8, 16, 32 or 64 Channels.

Scopes

Scopes

Waveform, RGB Parade, Vector and Histogram scopes in broadcast quality 10-bit.

Viewing Modes

Picture in picture, picture overlay with opacity control. Waveform and RGB parade with standard and HDR graticules and Vector with zoom.

Computer Capture

None

Control

Built in Control Panel

Integrated capacitive touchscreen LCD with onscreen controls for settings and navigating menus.

External Control

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

Software

Software Included

Blackmagic OS
Blackmagic HyperDeck Setup

Internal Software Upgrade

Loaded at system start, or via Blackmagic HyperDeck Setup using USB port.

Operating Systems



Mac 11.1 Big Sur,
Mac 12.0 Monterey or later.



Windows 10 and 11.

Displays

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

Power Requirements

Power Supply

1 x Internal 100 - 240V AC.
1 x 4 pin XLR 12V DC IN for external power or battery use.

Power Usage

190W max.

Accessories

Optional Accessories

HyperDeck Extreme Control
HyperDeck Extreme Rack Kit

Physical Installation

3 rack units height, half rack width.

Physical Specifications



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

What's Included

HyperDeck Extreme 4K HDR
Welcome wallet with QR code for
software download

Warranty

12 Month Limited
Manufacturer's Warranty.

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