Blackmagicdesign

Blackmagic Streaming Decoder 4K

Blackmagic Streaming Decoder 4K is a professional streaming decoder that lets you receive an H.264 or H.265 stream from Blackmagic Streaming Encoder, ATEM switcher or Blackmagic camera and convert it back to SDI and HDMI video. Includes Blackmagic Cloud streaming and 12G-SDI reference input that lets you connect SDI tally, camera control and talkback back to the encoder.

$745

Connections

SDI Reference Inputs
1

SDI Video Outputs
1

SDI Reference Outputs
1

SDI Rates
1.5G, 3G, 6G, 12G

HDMI 2.0 Video Outputs
1

Frame Rate and Format Converters
On 12G-SDI Out and 4K HDMI Out.

Live Stream Audio Inputs / Outputs
2 channels embedded Live Stream audio on output.
2 channels embedded Program audio on input.
2 channels embedded talkback audio on input.

SDI Audio Inputs
16 channels embedded audio on 12G-SDI Ref In.

SDI Audio Outputs
16 channels embedded audio on 12G-SDI Ref Out.
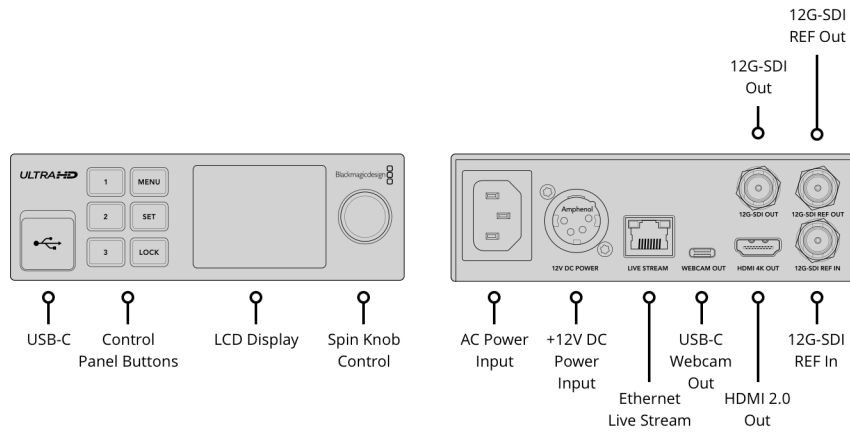16 channels embedded audio on 12G-SDI Out.

HDMI Audio Outputs
8 channels embedded audio on Monitor Out.

Webcam Outputs
1 x USB-C up to 2160p60

Ethernet
Ethernet supports 10/100/1000 BASE-T for live streaming, configuration and software updates.

USB-C   Control Panel Buttons   LCD Display   Spin Knob Control   AC Power Input   +12V DC Power Input   Ethernet Live Stream   USB-C Webcam Out   HDMI 2.0 Out   12G-SDI REF In   12G-SDI Out   12G-SDI REF Out

Standards

HD Video Input Standards

720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60,

Ultra HD Video Input Standards

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

SDI Compliance

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 2108-1.

Video Input Color Space

Rec. 709, Rec. 2020

3G SDI

Auto detects SMPTE level A or B on SDI input.

HDMI HD Video Standards

720p50, 720p59.94, 720p60 1080i50, 1080i59.94, 1080i60 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60

HDMI Ultra HD Video Standards

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

HDMI 4K Video Standards

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

HDMI Color Precision

4:2:2

HDMI Color Space

YUV

Video Streaming Standards

720p25, 720p30, 720p50, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60

Video Output Conversion

12G-SDI Out and 4K HDMI Out can follow the streaming standard or be user configured to convert to any of the following standards: 720p25, 720p30, 720p50, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60

HDR Metadata Support

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

Streaming

Direct Streaming
Receives (RTMP) H.264 or (SRT) H.265 streams from the Blackmagic Streaming Encoder or compatible Blackmagic cameras.

Closed Captions
Web Presenter 4K supports embedding CEA-608 and CEA-708 closed captions in your live RTMP stream.

Timecode
Support source timecode over RTMP and SRT streams on 12G-SDI Out.

Control

Control Panel
Built in control panel including 6 buttons, spin knob control and 2.2 inch color display.

Device Control
Front panel, USB-C or Ethernet.

External Control
Supports remote camera control, color corrector, tally and talkback. REST API over Ethernet for external control via HTTP when used with REST client applications.

Displays

Built in 2.2 inch LCD for monitoring video, audio and status plus menu settings.

Software

Compatible Services and Software
Facebook, Twitch, YouTube, Twitter, Restream.IO, Vimeo, BoxCast, Castr, AfreecaTV, Bilibili, DouYu, Weibo, Zoom, Skype, Microsoft Teams, QuickTime Player, FaceTime, OBS Studio, Open Broadcaster, VLC, Wirecast Play, Wowza Streaming Engine.

Operating Systems

Mac 13.0 Ventura,
Mac 14.0 Sonoma or later.

Windows 10, 64-bit.
Windows 11.

Linux

Chrome OS

Power Requirements

Power Supply
1 x Internal 100 - 240V AC.

12V DC Input
1 x 4-pin XLR for +12V DC input for external power supply or battery use.

Power Usage
TBA

Physical Installation

Physical Installation
One third rack unit width, 1 rack unit height.

Physical Specifications

5.51 in

6.9 in

1.75 in

LB
1.66 lb

Environmental Specifications

Operating Temperature
0° C to 40° C (32° - 104°F)

Storage Temperature
-20° to 45° C (-4° to 113° F)

Relative Humidity
0% to 90% non-condensing

What's Included

Blackmagic Streaming Decoder 4K
Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's
Warranty.

Blackmagic Design Authorized Reseller