

Blackmagic Streaming Encoder 4K



Blackmagic Streaming Encoder 4K is powerful self-contained streaming processor with H.264 and H.265 streaming in HD or Ultra HD via SRT or RTMP protocols. Stream directly to services such as YouTube, Facebook, X and more. Plus you can stream to the internet using Ethernet or connect a 5G or 4G phone to use mobile data. Includes USB webcam, standards converted 12G-SDI input and streaming monitoring output.

\$745

Connections

SDI Video Inputs

1

SDI Loop Outputs

1

SDI Monitor Outputs

1

SDI Rates

1.5G, 3G, 6G, 12G

HDMI Monitor Outputs

1

SDI Audio Inputs

16 channels embedded audio.

SDI Audio Outputs

16 channels embedded audio on Loop Out.

HDMI Audio Outputs

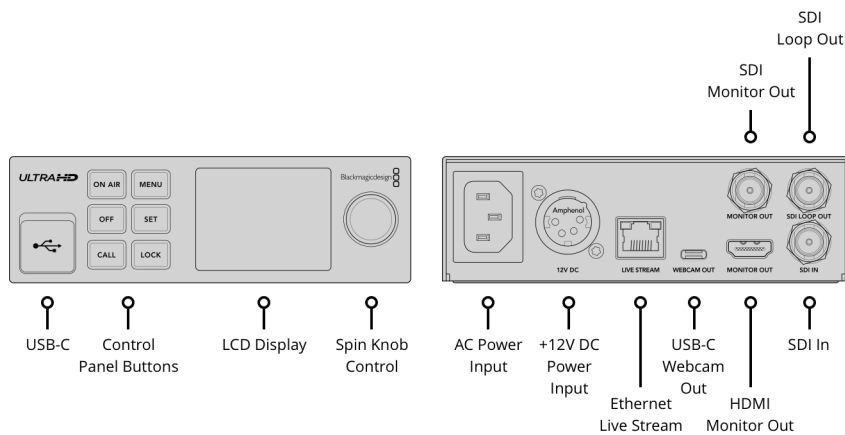
2 channels embedded audio on Monitor Out.

Webcam Output

1 x USB-C up to 2160p60

Ethernet

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



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.

SDI and HDMI Monitor Out Video Standards

1080p50, 1080p59.94, 1080p60

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

HDR Metadata Support

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

Streaming

Direct Streaming

Blackmagic Streaming Encoder 4K supports direct live streaming over ethernet using Real Time Messaging Protocol (RTMP) in H.264, and Secure Reliable Transport (SRT) in H.264 and H.265.

Closed Captions

Blackmagic Streaming Encoder 4K supports embedding CEA-608 and CEA-708 closed captions in your live RTMP stream.

Timecode

Support source timecode over RTMP and SRT streams.

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

25 W

Physical Installation

Physical Installation

One third rack unit width, 1 rack unit height.

Physical Specifications



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 Encoder 4K
Welcome wallet with QR code for
software download

Warranty

3 Year Limited Manufacturer's
Warranty.

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