



Blackmagic Audio Monitor

Technical Specifications

Description

Blackmagic Audio Monitor gives you fantastic quality audio monitoring in an impossibly small one rack unit size! With a dual subwoofer design combined with extra wide range speakers all backed by a super powerful class A/B amplifier. Blackmagic Audio Monitor has been designed to be both an audio and video monitoring solution so you get advanced 6G-SDI in, as well as balanced XLR analog audio, balanced AES/EBU digital audio and consumer level HiFi audio inputs. Blackmagic Audio Monitor features an elegant design with big bright multi color audio meters and a built in LCD for monitoring video sources. You even get HDMI 4K output so you can connect a television for big screen video monitoring of your SDI sources!

Connections

SDI Video Input

1 x 10-bit SD/HD/UltraHD 4K. Supports 3G-SDI single link 4:2:2/4:4:4 and 6G-SDI single link 4:2:2.

Multi Rate Support

SDI and HDMI are switchable between standard definition and high definition.

SDI Video Loop

1 x reclocked 10-bit SD/HD/3G-SDI and 6G-SDI switchable.

HDMI Video Output

1 x HDMI type A connector.

Analog Audio Input

2 channels balanced analog low impedance line level via XLR connectors or 2 channel unbalanced analog line level via RCA connectors.

Analog Audio Output

1/4" TRS headphone socket.

AES/EBU Audio Input

2 channels balanced 110Ω AES/EBU via XLR.

SDI Audio Input

16 channels embedded in SD, HD and UltraHD 4K.

SDI Audio Output

16 channels embedded audio loop out.

HDMI Audio Output

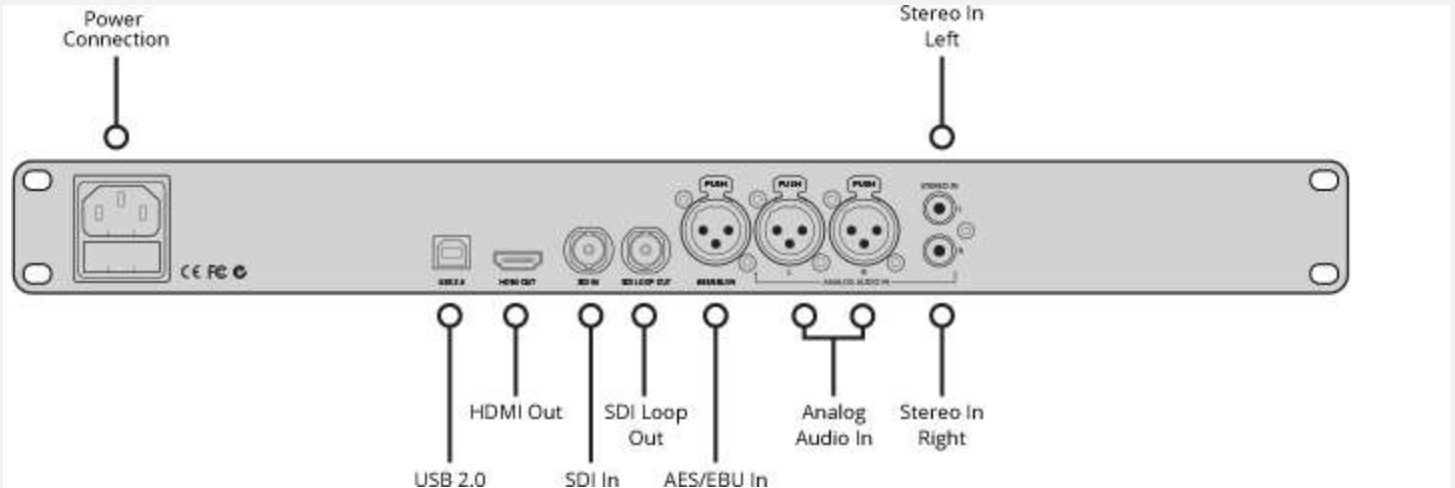
8 Channels embedded in SD, HD and 4K.

Metering

2 x 27 RGB segment LED VU meters.

Modes

Pushbutton interface allows for input selection, channel selection, independent left and right audio, mute and volume control with scroll wheel.



Standards

SD Format Support

625/25 PAL, 525/29.97 NTSC and 525/23.98 NTSC.

HD Format Support

720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 2048x1080p/23.98, 2048x1080p/24, 2048x1080p/25, 2048x1080PsF/23.98, 2048x1080PsF/24, 2048x1080PsF/25, 2048x1556PsF/23.98, 2048x1556PsF/24, 2048x1556PsF/25.

4K Format Support

3840x2160p23.98, 3840x2160p24, 3840x2160p25, 3840x2160p29.97, 3840x2160p30.

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE 372M, ITU-R BT.656 and ITU-R BT.601.

SDI Auto Switching

Automatically selects between SD, HD, 3G-SDI and 6G-SDI.

Audio Sampling

96 kHz and 24 bit.

Video Sampling

4:2:2 and 4:4:4

Software

Internal Software Upgrade

Via USB Connection.

Operating Systems

Mac OS X 10.7 Lion or later, and Mac OS X 10.8 Mountain Lion or later.

Windows™ 7, 8 32 bit or Windows 7, 8 64 bit.

Display

Display Element

2.1" diagonal color LCD.

Display Resolution

320 x 240.

Input Display

SDI video, format, audio type, audio channels and volume level.

Power Requirements

Power

1 x built in international AC power supply with IEC C14 inlet. 110-240V, 50-60Hz.

Input Voltage

90-264 V AC

Power Usage

< 60 Watts

Physical Specifications



Environmental Specifications

Operating Temperature

0° to 40° C (32° to 104° F)

Storage Temperature

-20° to 45° C (-4° to 113° F)

Relative Humidity

0% to 90% non-condensing

What's Included

Blackmagic Audio Monitor

Software CD

Warranty

12 Month Limited Manufacturer's Warranty.