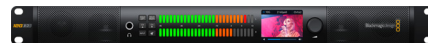


## Blackmagic Audio Monitor 12G G3



**\$1,295**

Blackmagic Audio Monitor 12G G3 is a powerful rack mount audio monitoring solution in a compact 1 rack unit size. This new model features 10G Ethernet SMPTE-2110 IP input to allow monitoring of IP broadcast systems without an external converter. Blackmagic Audio Monitor 12G G3 also includes a large audio meter with accurate ballistics, 12G-SDI input for SD, HD and Ultra HD support, balanced analog XLR, HiFi and AES/EBU inputs and HDMI video output for monitoring SDI and IP video sources.

### Connections

#### SDI Video Inputs

1

#### SDI Video Outputs

1 loop out.

#### SDI Rates

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

#### HDMI 2.0 Video Outputs

1

#### Multi Rate Support

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

#### SDI Video Loop

1 x reclocked 10-bit SD-SDI, HD-SDI, 3G-SDI, 6G-SDI and 12G-SDI.

#### Analog Audio Inputs

2 x XLR. 2 x RCA HiFi.

#### Analog Audio Outputs

1 x 6.5mm headphone socket.

#### Digital Audio Inputs

1 x XLR.

#### Built in Speaker

Stereo with 2-way crossover and independent stereo subwoofers.

#### AES/EBU Audio Inputs

2 channels balanced 110Ω AES/EBU via XLR.

#### SDI Audio Inputs

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

#### SDI Audio Outputs

16 channels embedded audio loop out.

#### HDMI Audio Outputs

8 Channels embedded in SD, HD and 4K.

#### Ethernet

1 x 10Gb/s RJ-45 connector supporting 10/100/1000/10G BASE-T for SMPTE-2110 IP video in, configuration and firmware updates.

#### Computer Interface

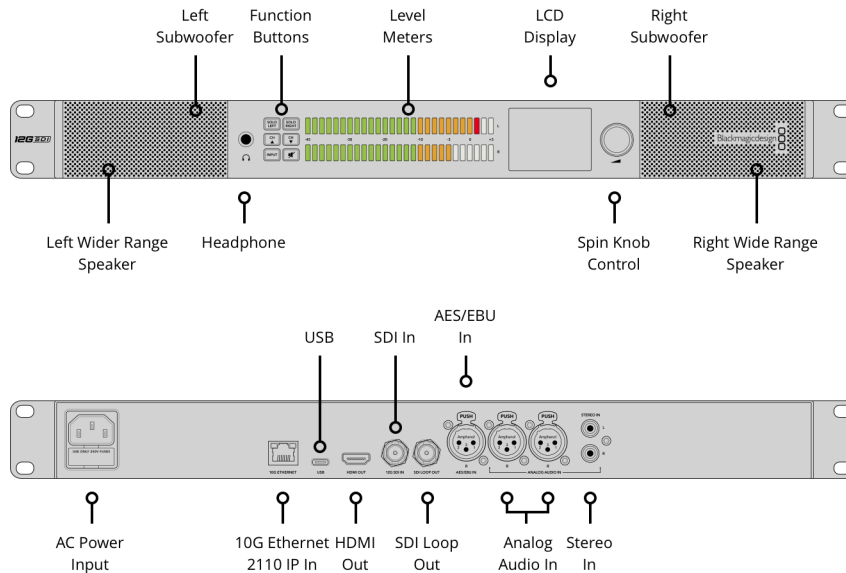
USB-C for configuration and firmware updates.

#### Metering

2 x 27 RGB segment LED VU, PPM or Loudness meters.

#### Modes

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



## 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, 1080p47.95,

1080p48, 1080p50, 1080p59.94,

1080p60

1080PsF23.98, 1080PsF24,

1080PsF25, 1080PsF29.97, 1080PsF30

### 2K Video Standards

2K DCI 23.98p, 2K DCI 24p,

2K DCI 25p, 2K 23.98PsF, 2K 24PsF,

2K 25PsF

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,

2160p29.97, 2160p30, 2160p50,

2160p59.94, 2160p60

### 4K Video Standards

4KDCI p23.98, 4KDCI p24, 4KDCI p25,

4KDCI p29.97, 4KDCI p30, 4KDCI p50,

4KDCI p59.94, 4KDCI p60

### 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, SMPTE 2110-20, SMPTE 2110-21, SMPTE 2110-30, SMPTE 2110-40, SMPTE 2084, SMPTE 2108-1.

### SDI Auto Switching

Automatically selects between SD, HD, 3G-SDI level A and B, 6G-SDI and 12G-SDI.

### Audio Sampling

96 KHz and 24 bit.

### Video Sampling

4:2:2 and 4:4:4

## Audio Meter Ballistics

54 RGB segment LEDs allowing selection of metering with VU, PPM EBU, PPM BBC or Loudness. Includes replaceable level scale.

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## IP Video Compliance

### **SMPTE 2110-20 (Uncompressed Video)**

IGMP v2

### **SMPTE 2110-21 (Traffic Shaping)**

Sender: Narrow

Receiver: Narrow, Wide Synchronous, Asynchronous

### **SMPTE 2110-30 (PCM)**

Audio Conformance level: Level C

### **SMPTE 2110-40 (Ancillary Data)**

Full access to entire SMPTE ancillary data stream. Includes RP 188/SMPTE 12M-2, closed captioning and HDR static metadata.

### **Precision Time Protocol**

IEEE 1588-2008 (PTP v2)

ST 2059-1

ST 2059-2

### **NMOS IS-04 Discovery and**

### **Registration**

v1.3.2

Peer-to-peer via mDNS/DNS-SD

### **NMOS IS-05**

### **Connection Management**

v1.1.2

### **NMOS BCP-002-01**

Natural Grouping

### **NMOS BCP-004-01**

Receiver capabilities

### **Codec**

Blackmagic IP10 codec used when converting 12G-SDI rates to 10G 2110 IP video.

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## Control

### **Built-in Control Panel**

2.2 inch display for viewing video input, video standard and selected audio input.

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## Software

### **Internal Software Upgrade**

Via USB connection and Ethernet

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## Operating Systems



Mac 10.13 High Sierra,  
Mac 10.14 Mojave or later.



Windows 8.1 and 10.

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## Display

### **Display Element**

2.2 inch diagonal color LCD.

### **Display Resolution**

320 x 240.

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## Input Display

SDI video, format, audio type and audio channels.

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## Power Requirements

### Power Supply

1 x Internal 100 - 240V AC.

### Power Usage

55 Watts

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## Physical Installation

1 rack unit.

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## 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

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## What's Included

Blackmagic Audio Monitor 12G G3  
PPM and Loudness Scale Stickers  
Welcome wallet with QR code for software download

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## Warranty

12 Month Limited Manufacturer's Warranty.

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