

# Blackmagic Video Assist 7" 12G HDR



Blackmagic Video Assist 7" 12G HDR adds professional monitoring and recording to any SDI or HDMI camera in all HD, Ultra HD, 2K and 4K DCI formats! The super bright 2500nit 7 inch HDR monitor supports 3D LUTs and features professional scopes along with powerful focus assist and exposure tools that help you accurately set focus, exposure and frame shots. Dual built in SD card recorders save files from any camera in 10-bit 4:2:2 ProRes or DNx formats. You also get two mini XLR connections with 48V of phantom power and a noise floor of -128dBV for high quality, crystal clear audio recording. Plus, you can start editing immediately because you don't have to convert the files!

\$795

## Connections

### SDI Video Inputs

1

### SDI Video Outputs

1

### SDI Rates

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

### HDMI 2.0a Video Inputs

1

### HDMI 2.0a Video Outputs

1

### Analog Audio Inputs

2 x balanced mini XLR with phantom power

### Analog Audio Outputs

1 x 3.5 mm headphone jack.

### Built in Speaker

Mono

### Screen Dimensions

7 inch 1920 x 1200.

### Screen Brightness

2500nits

### Screen Color

P3 wide color gamut

### SDI Audio Inputs

16 channels embedded via 12G-SDI

### SDI Audio Outputs

16 channels embedded via 12G-SDI

### HDMI Audio Inputs

8 channels embedded via HDMI 2.0a

### HDMI Audio Outputs

8 channels embedded via HDMI 2.0a

### Remote Control

1 x 2.5mm LANC for Record Start and Stop.

### SD Interface

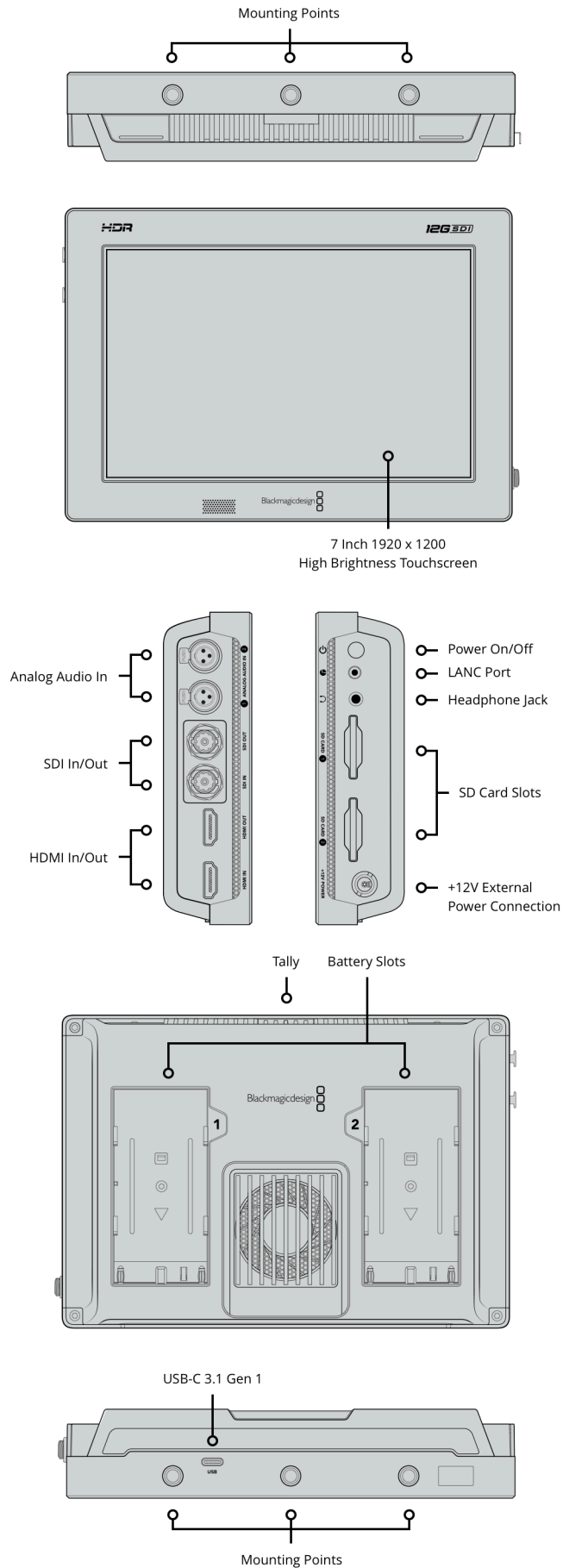
Dual UHS-II SD slots

### Storage Type

Removable SDXC UHS-II, SDXC UHS-I and SDHC UHS-I SD cards. Supports DS, HS, SDR12, SDR25, DDR50, SDR50 and SDR104 SD cards.

### Computer Interface

1 x USB Type-C 3.1 Gen 1 for external drive recording, webcam out, initial setup, software updates and Video Assist Utility software control.



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## SDI Video Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94, 720p60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60  
1080PsF23.98, 1080PsF24,  
1080PsF25, 1080PsF29.97, 1080PsF30  
1080i50, 1080i59.94, 1080i60

### 2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,  
2Kp29.97 DCI, 2Kp30 DCI  
2KPsF23.98 DCI, 2KPsF24 DCI,  
2KPsF25 DCI, 2KPsF29.97 DCI,  
2KPsF30 DCI

### Ultra HD Video Standards

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

### 4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,  
4Kp29.97 DCI, 4Kp30 DCI

### SDI Compliance

SMPTE 259M, SMPTE 292M,  
SMPTE 296M, SMPTE 425M,  
SMPTE 2084

### SDI Metadata Support

HD RP188

### Audio Sampling

Television standard sample rate of  
48 kHz and 24-bit.

### Video Sampling

4:2:2 YUV

### Color Precision

10-bit

### Color Space

REC 601, REC 709, REC 2020

### HDR Support

HDR10, Hybrid Log Gamma

### Multiple Rate Support

SDI and HDMI switches between  
270 Mb/s, 1.5 Gb/s, 3 Gb/s, 6 Gb/s  
and 12 Gb/s

### SDI RAW

Blackmagic RAW

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## HDMI Video Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

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

### Ultra HD Video Standards

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

### 4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI

### HDMI Color Precision

10-bit

### HDR Support

HDR10, Hybrid Log Gamma

### Copy Protection

HDMI input is unable to capture from  
copy protected HDMI sources. Always  
confirm copyright ownership before  
capture or distribution of content.

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## Media

### Media

2 x UHS-II SD for Ultra HD,  
compatible with regular SD for  
HD recording. USB Type-C 3.1 Gen 1  
for external drive recording.

### Media Type

SDXC UHS-II, SDXC UHS-I and SDHC  
UHS-I SD cards.

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## Supported Codecs

Blackmagic RAW Constant Bitrate 3:1,  
Blackmagic RAW Constant Bitrate 5:1,  
Blackmagic RAW Constant Bitrate 8:1,  
Blackmagic RAW Constant Bitrate  
12:1, Blackmagic RAW Constant  
Quality Q0, Blackmagic RAW Constant  
Quality Q5,

Apple ProRes 422 HQ, Apple ProRes  
422, Apple ProRes 422 LT, Apple  
ProRes 422 Proxy, DNxHR HQX,  
DNxHR SQ, DNxHR LB, DNxHR HQX  
MXF, DNxHR SQ MXF, DNxHR LB MXF.

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## Control

### Recorder Control

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

### External Control

LANC, SDI and HDMI start/stop and  
timecode run.

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## Blackmagic RAW

### Supported Cameras

#### Canon

Canon EOS C300 Mark II

#### FUJIFILM

FUJIFILM GFX100  
FUJIFILM GFX100 II  
FUJIFILM GFX100S  
FUJIFILM GFX100S II  
FUJIFILM X-H2s  
FUJIFILM X-H2  
FUJIFILM X-M5  
FUJIFILM X-T5  
FUJIFILM X-T50  
FUJIFILM X-S20

#### Leica

Leica SL2-S

#### Nikon

Nikon Z 6  
Nikon Z 7  
Nikon Z 6II  
Nikon Z 7II

#### Panasonic

Panasonic AU-EVA1  
Panasonic AW-UB10  
Panasonic LUMIX BGH1  
Panasonic LUMIX BS1H  
Panasonic LUMIX GH5S  
Panasonic LUMIX GH6  
Panasonic LUMIX GH7  
Panasonic LUMIX G9II  
Panasonic LUMIX S1  
Panasonic LUMIX S1H  
Panasonic LUMIX S5  
Panasonic LUMIX S5D  
Panasonic LUMIX S5II  
Panasonic LUMIX S5IIX  
Panasonic LUMIX UB10

#### SIGMA

SIGMA fp  
SIGMA fp L

#### Z CAM

Z CAM E2  
Z CAM E2-M4  
Z CAM E2-F6  
Z CAM E2-S6

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## Software

### Software Included

Blackmagic OS

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## Scopes

### Scopes

Waveform, RGB Parade, Vector, RGB Histogram.

### Viewing Modes

Scopes with picture in picture or picture overlay and opacity control. Waveform and Parade with standard and HDR graticules.

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## Operating Systems



Mac 13.0 Ventura,  
Mac 14.0 Sonoma or later.



Windows 11

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## Power Requirements

### Power Supply

1 x External 12V power supply.  
Compatible with Sony NP-F style  
batteries.  
(batteries not included)

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 Video Assist 7" 12G HDR  
Universal power supply with locking connector and international adapters

Warranty

1 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller