

Blackmagic Micro Studio Camera 4K G2



Blackmagic Micro Studio Camera 4K G2 is an amazing, broadcast quality live production camera in a tiny body. The Four Thirds sensor has 13 stops of dynamic range, incredible low light performance and produces stunning Ultra HD images in all lighting conditions. 12G-SDI Micro BNC connectors support 10-bit uncompressed video up to 2160p60 and 2 channel audio on the output. The input supports tally, camera control, control of the built-in color corrector plus lens control, from an ATEM switcher. Or when using an ATEM Mini switcher, the HDMI connector will output 1080 and support all control features. Plus it's even a Hollywood quality cinema camera because it can record Blackmagic RAW to external USB-C drives. With multiple mounting points, place Blackmagic Micro Studio Camera 4K G2 where no other camera willgo!

Camera Features

Effective SensorSize

17.78mm x10mm (FourThirds)

Lens Mount

Active MFTMount.

Lens Control

Iris, focus, zoom on supportedlenses.

Dynamic Range

13 Stops.

Dual Native ISO

0dB and 18dBgain.

Sensitivity at 0dB Gain

f11 with 2160p59.94.

f12 with 2160p50.

at 2,000 lux with 89.9% reflectance.

Signal to Noise Ratio

63dB for 2160p.

Shooting Resolutions

3840x2160 (UltraHD) upto60fps.

Frame Rates

23.98, 24, 25, 29.97, 30, 50, 59.94 and 60 frames persecond.

Off-speed frame rates up to 60 fps in Ultra HD.

Focus

Auto focus available using compatible lenses.

Metadata Support

Automatically populated lens data from electronic Micro Four Thirds lenses. Automatic recording of camera settings, motion sensor data plus slate data such as project, scene number, take and special notes. A3D LUT can also be embedded in metadata of Blackmagic RAWfiles.

Mounting Options

1x 1/4inch(top),
3x 1/4inch(bottom).

Connections

SDI VideoInputs

1 x 12G-SDI MicroBNC

SDI Video Outputs

1 x 12G-SDI MicroBNC

SDI Rates

3G, 6G, 12G

HDMI 2.0 Video Outputs

1

HDMI Video Outputs

1x HDMI Type A output.
HDMI output is always HD, up to 1080p60.

Analog Audio Input

1x 3.5mm Stereo Input. Can also be used for Timecode input.

Reference Inputs

Program SDI Input on camera.

SDI Audio Output

2 channels of program audio embedded in 3G/6G/12G-SDI.

HDMI Audio Outputs

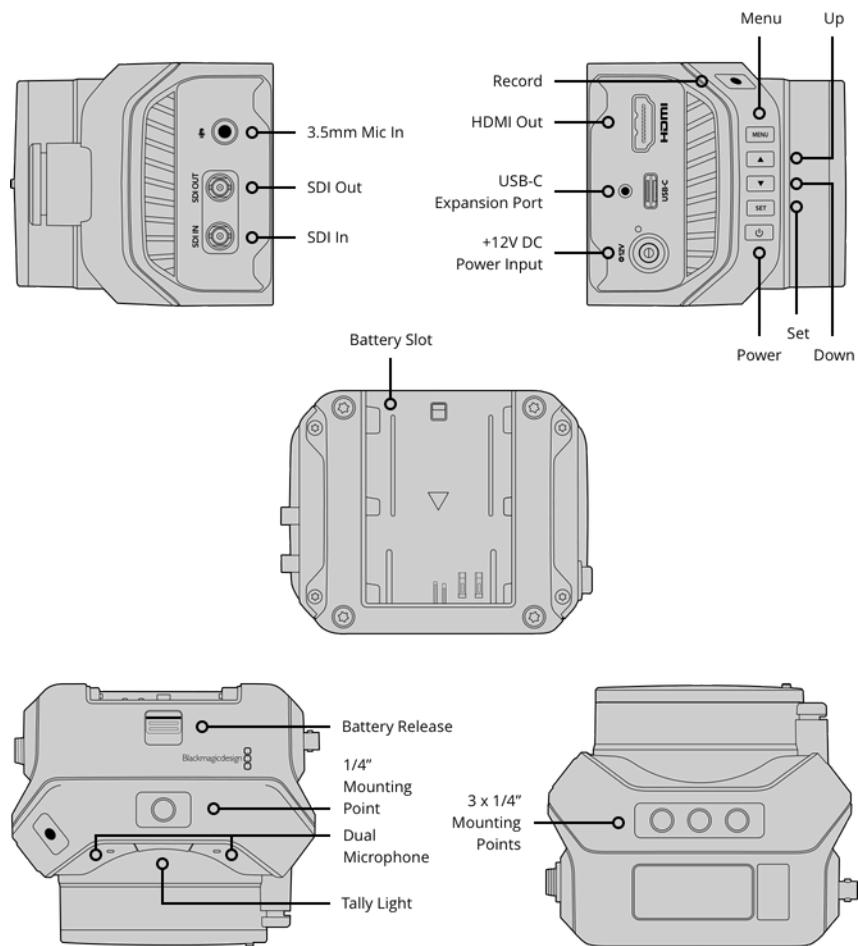
2 channels 48 kHz and 24-bit.

Remote Control

Remote camera control over SDI, HDMI or USB Ethernet with suitable adapter.

Computer Interface

1x USB Type-C 3.1 Gen 1 (up to 5Gb/s) expansion ports for external recording and focus / zoom demand connection. Software updates using USB-C Port.



Audio

Microphone

Integrated stereo microphone.

Built in Speaker

None

Standards

SD Video Standards

None

HD Video Standards

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

SDI Compliance

SMPTE 292M, SMPTE424M,
SMPTE425M level A and B,
SMPTE2081-1, SMPTE2081-10,
SMPTE2082-1 and SMPTE2082-10.

SDI Audio Sampling

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

Media**Media**

1 xUSB-C 3.1 Gen 1 expansion ports for external media for recording Blackmagic RAW.

Media Format

Can format media to ExFAT (Windows/Mac) or HFS+ (Mac) file systems.

Supported Codecs**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 Q1

Blackmagic RAW Constant Quality Q3

Blackmagic RAW Constant Quality Q5

Storage Features**Storage Type**

1 xUSB-C 3.1 Gen 1 expansion ports for external media.

Recording Formats

Blackmagic RAW 3:1, 5:1, 8:1, 12:1, Q0, Q1, Q3 and Q5 in UltraHD 3840x2160 at the selected framerate.

Storage Rates

Storage rates based on 30 frames per second.

3840 x 2160 (Ultra HD) Blackmagic RAW 3:1 - 127 MB/s Blackmagic RAW 5:1 - 77 MB/s Blackmagic RAW 8:1 - 48 MB/s Blackmagic RAW 12:1 - 32 MB/s Blackmagic RAW Q0 - 96 to 190 MB/s Blackmagic RAW Q1 - 64 to 153 MB/s Blackmagic RAW Q3 - 43 to 109 MB/s Blackmagic RAW Q5 - 26 to 64 MB/s

Constant Quality storage rates quoted are indicative only.
Actual storage rates are entirely dependent on image subject matter.

Control

Control

5 control buttons including Set, Up, Down, Menu, and Power.

External Control

Blackmagic Zoom Demand and Blackmagic Focus Demand for controlling your camera and lens from tripod handles.
Blackmagic Control Protocol over SDI and HDMI for external control when used with a compatible ATEM switcher with ATEM Software Control or ATEM Camera Control Panel. Includes control of some camera settings, focus, iris and zoom with compatible lenses, color corrector, tally and record start and stop to external media via USB expansion port.

Camera Control REST API over USB Ethernet for external control via HTTP when used with REST client applications such as Postman.

Network Management

NTP

Network time protocol support allows you to sync the time on your camera, whenever connected to a network with any NTP server of your choice.

Web Media Manager

Using a browser connected over Ethernet, web media manager allows you to access, browse, download and delete files from any drive connected to the camera.

FTP

Download files from any drive attached to your camera using FTP.

SMB

File sharing using SMB.

Color Corrector

DaVinci YRGB

Tally

Live Tally Indicator

1 x front facing for talent.

Software

Software Included

Blackmagic Camera Setup for Mac and Windows.

Operating Systems



Mac 13.0 Ventura,
Mac 14.0 Sonoma or later.



Windows 10 and 11.

Power Requirements

Power Supply

1 x External 12V DC 36W powersupply.

Power Inputs

1 x 12V DC locking 5.5 mm barrel connector.

Power Usage

18 - 25 W.

Optional Accessories

Blackmagic PYXIS Monitor
Blackmagic Focus Demand
Blackmagic Zoom Demand ATEM
Mini switchers ATEM SDI
switchers ATEM Television Studio
switchers ATEM Constellation
switchers Blackmagic Video Assist
LP-E6 Battery Micro BNC Cables

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 MicroStudio Camera 4K G2

Turret dust cap

External 12V DC power supply with locking connector and international socket adapters for most countries.

Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's Warranty.