

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 will go!

\$1,095

Camera Features

Effective Sensor Size

17.78mm x 10mm (Four Thirds)

Lens Mount

Active MFT Mount.

Lens Control

Iris, focus, zoom on supported lenses.

Dynamic Range

13 Stops.

Dual Native ISO

0dB and 18dB gain.

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

3840 x 2160 (Ultra HD) up to 60 fps.

Frame Rates

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

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. A 3D LUT can also be embedded in metadata of Blackmagic RAW files.

Mounting Options

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

Connections

SDI Video Inputs

1 x 12G-SDI Micro BNC

SDI Video Outputs

1 x 12G-SDI Micro BNC

SDI Rates

3G, 6G, 12G

HDMI 2.0 Video Outputs

1

HDMI Video Outputs

1 x HDMI Type A output.

HDMI output is always HD, up to 1080p60.

Analog Audio Input

1 x 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

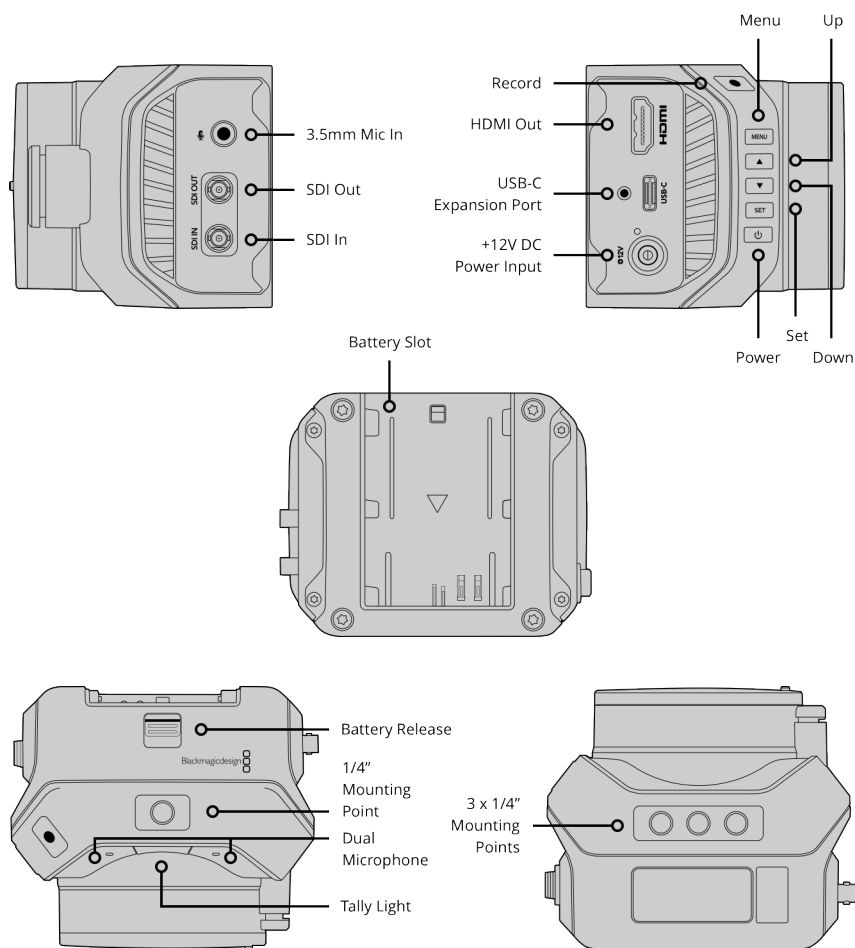
2 channels 48 kHz and 24-bit.

Remote Control

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

Computer Interface

1 x 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, SMPTE 424M,
SMPTE 425M level A and B,
SMPTE 2081-1, SMPTE 2081-10,
SMPTE 2082-1 and SMPTE 2082-10.

SDI Audio Sampling

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

Media

Media

1 x USB-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 x USB-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 Ultra HD 3840 x 2160 at the selected frame rate.

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

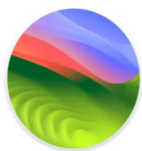
1 x front facing for talent.

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 power supply.

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 Micro Studio 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.

Blackmagic Design Authorized Reseller