

Blackmagic Micro Studio Camera 4K



The Blackmagic Micro Studio Camera 4K is an incredibly tiny Ultra HD resolution camera that can be used in HD and Ultra HD video formats that can be fully controlled from the switcher via the SDI control protocol. Blackmagic Micro Studio Camera 4K includes 6G-SDI connections, built in color corrector, talkback, tally indicator, PTZ control output, built in microphones, backup battery, an adaptable MFT lens mount and B4 lens control output.

Camera Features

Effective Sensor Size

13.056mm x 7.344mm

Shooting Resolutions

3840 x 2160,
1920 x 1080, 1280 x 720

Lens Mount

Active MFT Mount.

Lens Control

Iris, focus,
zoom on supported lenses.

Focus

Remote focus control via expansion connector or Blackmagic SDI Control Protocol when using compatible lenses.

Dynamic Range

11 Stops.

Mounting Options

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

Connections

Total Video Inputs

1 x SDI

Total Video Outputs

1 x SDI, 1 x HDMI Monitoring.

SDI Rates

1.5G, 3G, 6G

Optical SDI

None

SDI Audio Outputs

2 channel embedded audio support in SDI stream.

HDMI Video Outputs

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

HDMI Audio Outputs

2 channels 48 kHz and 24-bit.

Expansion Port

DB-HD15 serial connector provides support for:
Power input
LANC input
1 x S.Bus input
PTZ output
B4 lens control output
Reference Input

Analog Audio Input

1 x 3.5mm jack, mic or line level.

Analog Audio Output

1 x 3.5mm headphone jack, supports iPhone microphone for talkback.

Reference Input

Tri-Sync or Black Burst on expansion connector.

Screen Dimensions

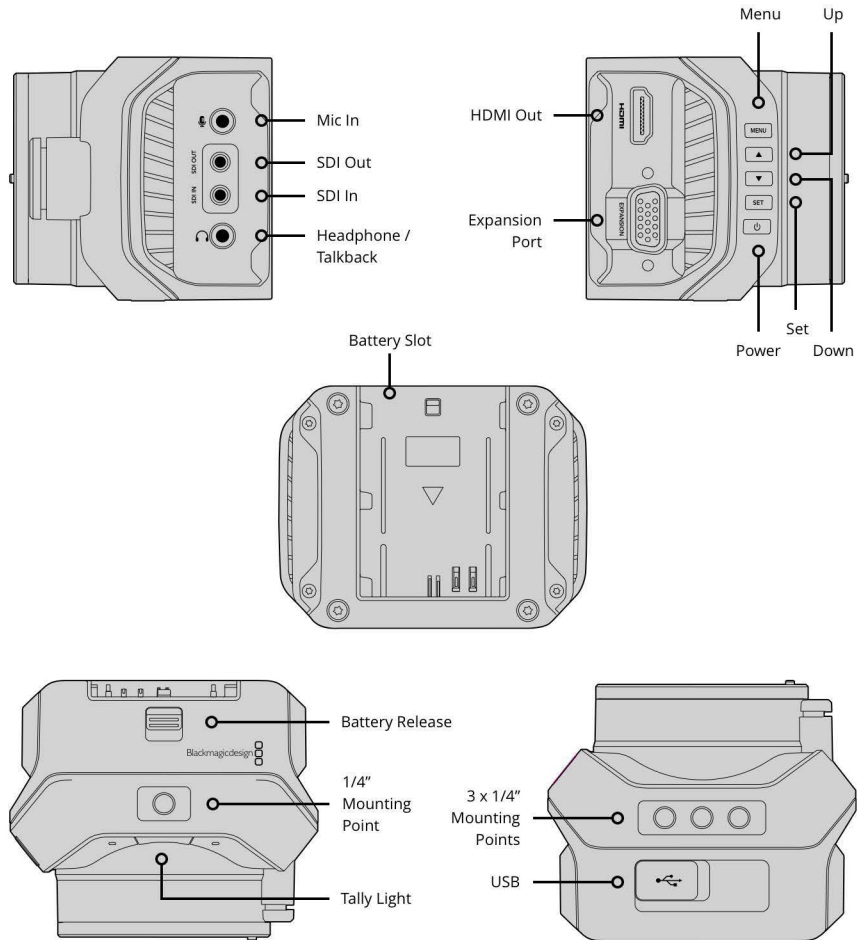
None

Remote Control

Remote control over SDI via Blackmagic SDI Control Protocol or via expansion port using LANC or S.Bus.

Computer Interface

USB Mini-B port for software updates and configuration.



Audio**Microphone**

Integrated stereo microphone.

Built in Speaker

None

Standards**SD Video Standards**

None

HD Video Standards

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

Ultra HD Video Standards

2160p23.98, 2160p24,
2160p25, 2160p29.97 and 2160p30

SDI Compliance

SMPTE 292M, SMPTE 424M, SMPTE
2081-1

SDI Audio Sampling

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

Media**Media**

None

Media Format

None

Supported Codecs**Codecs**

None

Control**Controls**

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

External Control

Blackmagic SDI Control Protocol.
Expansion connector has LANC, S.Bus
and PWM for lens and other
settings control.

Color Corrector**Color Corrector**

DaVinci YRGB.

Talkback and Tally**Live Tally Indicator**

1 x for talent.

Talkback

SDI Channels 15 and 16.

Software**Software Included**

Blackmagic Camera Setup.

Operating Systems



Mac 10.12 Sierra,
Mac 10.13 High Sierra or later.



Windows 8.1 or Windows 10.

Power Requirements

Power Supply

1 x External 12V power supply. LP-E6
Lithium-Ion battery included.

Battery Life

Approximately 1 hour 10 minutes.

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
Expansion cable
LP-E6 battery
Turret dust cap
12V AC Adapter
SD card with software and manual

Warranty

12 Month Limited Manufacturer's Warranty

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