Blackmagic Studio Camera 4K Plus



The Blackmagic Studio Camera 4K Plus has been specifically designed as the perfect camera for ATEM Mini. It's the same high quality broadcast camera, but the HDMI centric design removes all the expensive broadcast connections so it's much lower cost. The HDMI is incredibly powerful as it connects video to the ATEM Mini, while at the same time camera control, tally and the remote record trigger is sent to the camera using the same HDMI connection. That makes it very fast to set up for a job.

£1,149

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.

Screen Dimensions
7 inch 1920 x 1200

Screen Type
LCD capacitive touchscreen.

Screen Brightness
600 nits

Controls
Touchscreen camera settings and menus with rotary settings dial, program button, F1, F2 and F3 assignable function buttons, brightness contrast and peaking dials.

Mounting Options
2 x 1/4 inch tripod mount.
1 x 3/8 inch tripod mount.

Connections

HDMI 2.0 Video Outputs
1

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

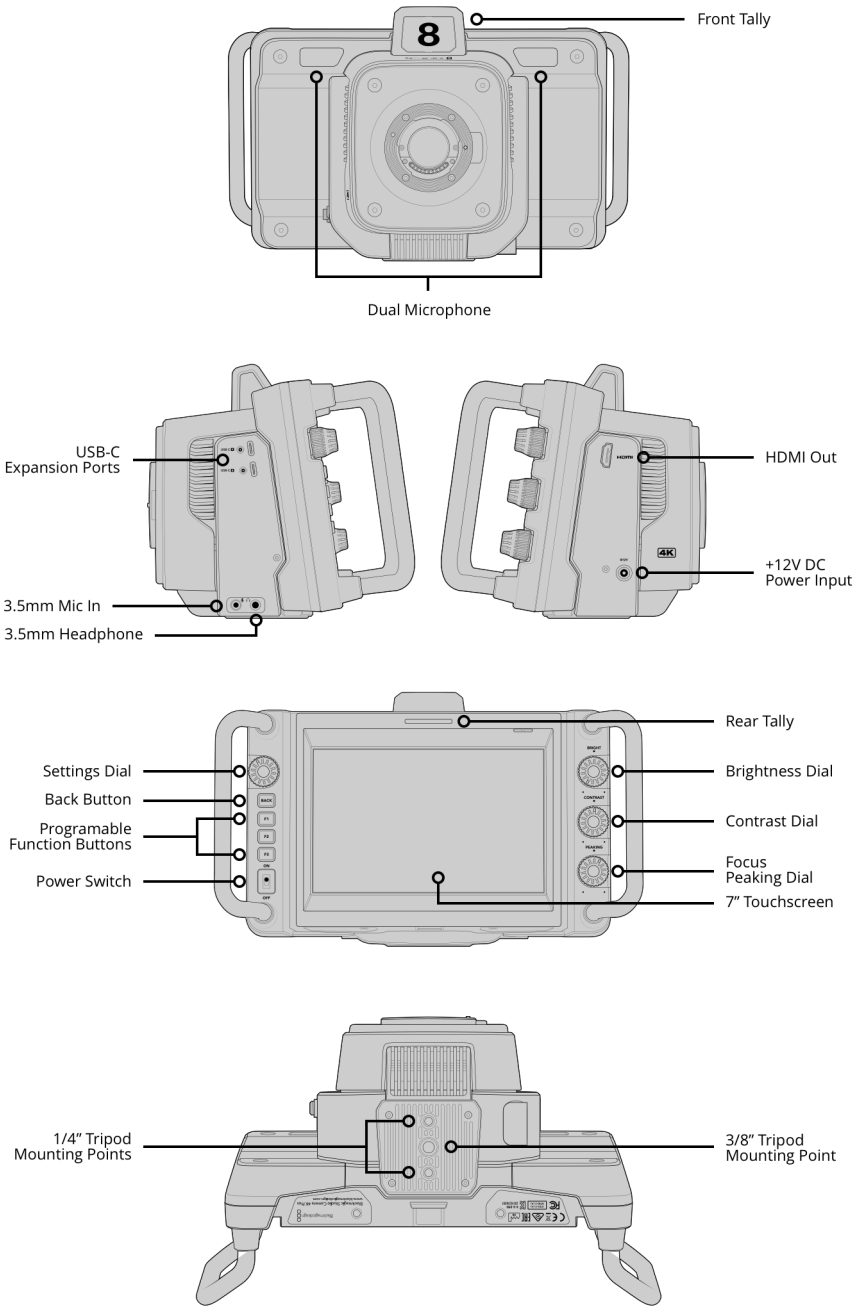
Analog Audio Output
1 x 3.5mm mini jack for headphones.

Remote Control

Remote camera control over HDMI.

Computer Interface

2 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 A.



Audio

Microphone
Integrated stereo microphone.

Built in Speaker
1 x mono speaker.

Standards

SD Video Standards
None

HD Video Standards
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p50, 2160p59.94, 2160p60

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

Media

Media
2 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
2 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

External Control
Blackmagic Zoom Demand and Blackmagic Focus Demand for controlling your camera and lens from tripod handles.

Blackmagic Control Protocol over 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.

Color Corrector

DaVinci YRGB

Tally

Live Tally Indicator
1 x front facing for talent,
1 x rear facing for operator.

Software

Software Included
Blackmagic Camera Setup for Mac
and Windows.

Operating Systems



Mac 12.0 Monterey,
Mac 13.0 Ventura or later.



Windows 10, 64-bit.

Power Requirements

Power Supply
1 x External 12V DC 60W power supply.

Power Inputs
1 x 12V DC locking 5.5 mm barrel connector.

Power Usage
15 - 22 W.

Optional Accessories

Blackmagic Focus Demand
Blackmagic Zoom Demand
ATEM Mini switchers
ATEM Television Studio HD and
HD Pro switchers

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 Studio Camera 4K Plus
Blackmagic Studio Camera Sun Shade
Tripod Mount compatible with 15mm lightweight rails
Turret Dust Cap
External 12V DC power supply with locking connector and international socket adapters for most countries.

Warranty

12 Month Limited Manufacturer's Warranty.

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