

## ATEM Mini Extreme ISO G2



ATEM Mini Extreme ISO G2 is a powerful yet compact live switcher for building a high-end broadcast studio. Get an expanded professional style control panel with built in streaming, 8 standards converted HDMI inputs, 3 independent HDMI outputs, built in streaming engine, multi-view, CFexpress and Thunderbolt for record/playback. There is also 10G Ethernet for fast network storage access, XLR audio inputs, USB webcam, DVE, chroma key, media player and ISO recording of all 8 video inputs.

**\$2,195**

### Connections

#### Total Video Inputs

9

#### Total Outputs

4

#### Total Aux Outputs

4

#### SDI Rates

1.5G, 3G

#### HDMI Video Inputs

8 x HDMI type A, 10-bit HD switchable.  
2 channel embedded audio.

#### HDMI Video Outputs

3

#### HDMI Program Outputs

3

#### Total Audio Inputs

2 x XLR Combo with phantom power.  
1 x BNC 32 Ch MADI digital audio.

#### Total Audio Outputs

1 x 6.35mm headphone jack

#### Timecode Connection

None

#### Reference Input

None

#### Video Input Re-Sync

On all 8 HDMI inputs and remote sources

#### Frame Rate and Format Converters

On all 8 HDMI inputs and remote sources

#### Webcam Output

2 x USB-C supporting 720p or 1080p at PGM frame rate.

#### Total Multi Views

1

Routable to any of the 3 x HDMI outputs, 2 x USB-C webcam outputs or 1 x Thunderbolt output.

#### Control Panel Connection

Ethernet. Direct connection between panel and chassis, or via network.

#### Internal Timecode Generator

Yes

#### Tally Output

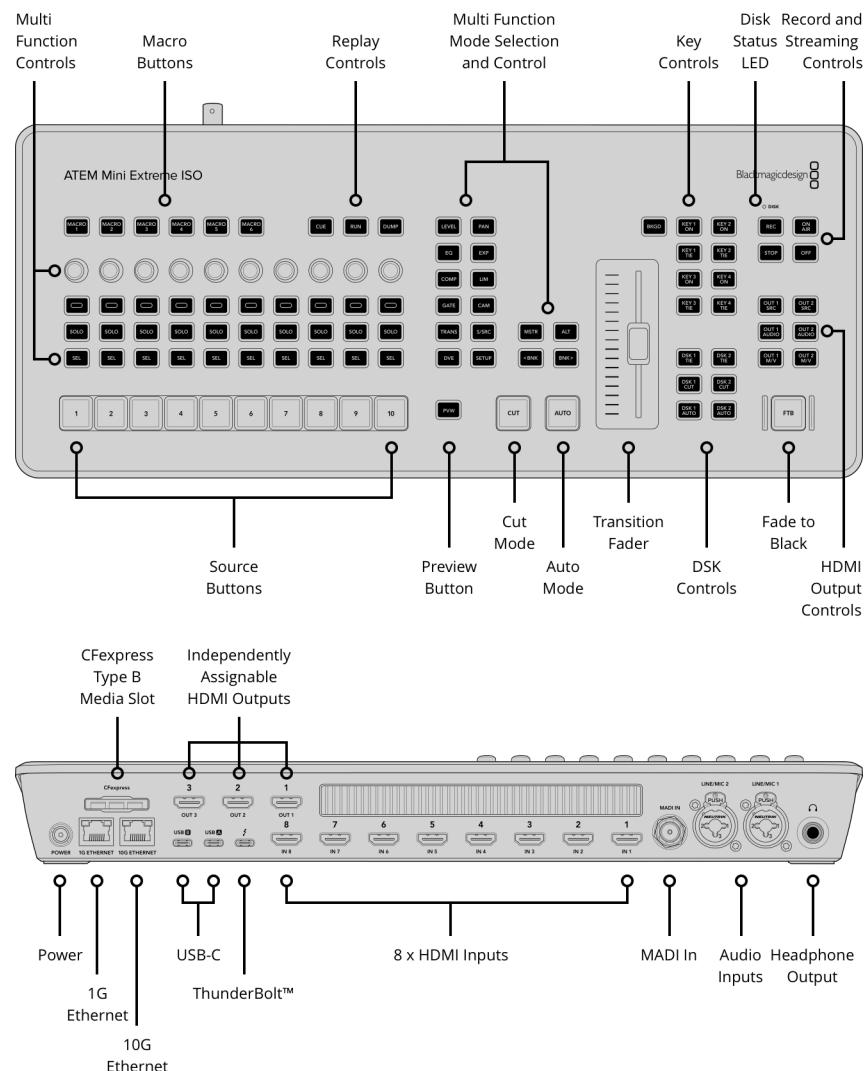
On Blackmagic HDMI and remote cameras.

#### Ethernet

1 x 1G Ethernet for simple streaming, control panels and internet connection,  
1 x 10G Ethernet connection for recording.

#### Computer Interface

2 x USB Type-C 3.1 Gen 1 for external drive recording, webcam out, software control, software updates and panel connection.  
1 x Thunderbolt for fill key video out, video input, ethernet to storage, and power



## Standards

### HD Video Input Standards

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

### HD Video Output Standards

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

### Video Streaming Standards

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

### Video Sampling

4:2:2 YUV

### Color Precision

10-bit

### Color Space

Rec 709

### HDMI Input Resolutions from Computers

1280 x 720p 50Hz, 59.94Hz and 60Hz  
 1920 x 1080p 23.98, 24, 25, 29.97, 30,  
 50, 59.94 and 60Hz  
 1920 x 1080i 50, 59.94Hz and 60Hz

### Colorspace Conversion

Hardware based real time.

### SDI Auto Switching

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## Product Specifics

<b>Number of Mix Effects Rows</b>	<b>Key Buttons</b>	<b>Advanced Chroma Keyers</b>
1	8	Up to 4
<b>Direct Cross Points</b>	<b>AUX Buttons</b>	<b>SuperSource</b>
10	6	1
<b>Crosspoint Button Type</b>	<b>Fader Bar</b>	<b>DVEs</b>
NKK Buttons	1	2
<b>Preview Transition</b>	<b>Record Buttons</b>	<b>Linear/Luma Keyers</b>
1	2	Up to 4
<b>Source Select Bus</b>	<b>Stream Buttons</b>	<b>Transition Keyer (Stinger/DVE)</b>
Set using Multi Function Controls and Fairlight Audio Status Output.	2	DVE only
<b>Dedicated Macro Buttons</b>	<b>DSK Transition Selectors</b>	<b>Color Generators</b>
6	6	2
<b>Transition Type Buttons</b>	<b>Fade to Black Buttons</b>	<b>Control Panel</b>
Set using Multi Function Controls and Fairlight Audio Status Output.	1 NKK button	Set using Multi Function Controls and Fairlight Audio Status Output.
<b>Transition Rate</b>	<b>Upstream Keyers</b>	<b>Routable Windows</b>
Set using Multi Function Controls and Fairlight Audio Status Output.	4	16
	<b>Downstream Keyers</b>	<b>Tally</b>
	2	Red for program and green for preview indication.

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## Audio

**Audio Mixer**  
26 input x 2 channel mixer.  
(8 HDMI+16MADI+XLR+Thunderbolt)  
Selectable On/Off/Audio-Follow-Video per channel plus separate gain control per channel.  
Level and Peak metering. Plus new Fairlight audio enhancements:  
Compressor, Gate, Limiter, 6 bands of parametric EQ. Master gain control.

**Analog Input**  
Balanced stereo XLR combo connectors  
**Analog Input Delay**  
Up to 8 frames  
**Mic Plug In Power**  
+48V phantom power on XLR combo inputs

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## Streaming Sources

**Total Streaming Sources**  
Up to 8

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**Streaming Source Format**  
RTMP/SRT video with audio over a local network or internet connection from compatible Blackmagic Design cameras outputting HyperDeck High, HyperDeck Medium, HyperDeck Low, Streaming High, Streaming Medium or Streaming Low quality setting. Please refer to either the Manual or the Information Note at [www.blackmagicdesign.com/support](http://www.blackmagicdesign.com/support) for data rates.

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**Streaming Source Setup**  
Mapped to inputs in ATEM Software Control Settings.

## Streaming

### Direct Streaming

Supports direct live streaming using Real Time Messaging Protocol (RTMP) and Secure Reliable Transport (SRT) over ethernet or a shared internet connection over USB-C.

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## Recording

### Direct Recording Video and Audio

CFExpress slot for recording  
USB-C Recording

### Video Recording

8 x HDMI ISO inputs as H.264 .mp4 files at up to 70Mb/s quality at the ATEM video standard with AAC audio.  
1 x Program out as H.264 .mp4 file at the Streaming quality setting and at the ATEM video standard with AAC audio.

### Audio Recording

26 x 2 channel audio inputs recorded as separate 24-bit 48KHz .wav files. Including 1 x analog 2 channel audio input, 8 x Input source 2 channel embedded audio inputs and 32 x MADI audio channels.

### Media Format

Supports media formatted ExFAT (Windows/Mac), APFS or HFS+ (Mac).

### Switching

Program switching recorded as a DaVinci Resolve project .drp file.

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## Cloud Synchronization



**Blackmagic Cloud**

[Learn More](#)

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## Multi View Monitoring

**Multi View Monitoring**

Configurable to 16, 13, 10, 7 or 4 up views including Program, Preview, 8 HDMI inputs, SuperSource, Clean Feed, Media Player, Streaming Status, Recording Status and Audio Meters.

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**Multi View Video Standard**

HD

## Media Player

**Media Players**

2

**Channels**

Fill and key for each Media Player.

**Media Pool Still Image Capacity**

20 with fill and key.

**Media Pool Still Image Format**

200 frames in 1080 HD.

**Media Pool Audio File Format**

WAV, MP3 and AIFF.

**Media Pool Still Image Format**

PNG, TGA, BMP, GIF, JPEG and TIFF.

**Media Pool Video File Format**

TGA Sequence.

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## Control

**Control Panel**

Built in control panel. Supports optional hardware panel. ATEM Software Control Panel for Mac and Windows included for free.

**Control Panel Compatibility**

Compatible with ATEM Micro Panel, ATEM 1 M/E Advanced Panels, ATEM 2 M/E Advanced Panels, ATEM 4 M/E Advanced Panels plus ATEM Camera Control Panel and ATEM Micro Camera Panel. ATEM can also be configured using Blackmagic Videohub Hardware Panel Setup utility to route sources to destinations using Videohub Smart Control Pro and Videohub Master Control Pro.

**Control Panel Connection**

Ethernet supports 10/100/1000/10G BaseT.

Ethernet used for direct connection between panel and chassis or via network. Also supports direct USB-C connection. Ethernet or USB-C used for updating the software.

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## Processing

**Audio Mixer**

58 Channel mixer. Selectable On/Off/Audio-Follow-Video. Level and Peak metering. Master gain control. 6 band parametric EQ, Dynamics including Expander, Gate, Compressor and Limiter.

**Camera Control**

When used with most Blackmagic Design cameras, ATEM can control focus, iris and zoom of compatible lenses and camera settings including gain, white balance, tint, shutter, ND filter, color corrector, tally and record start/stop.

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## Software

**Control Panel Included**

ATEM Software Control Panel included free for macOS 14.0 Sonoma, macOS 15.0 Sequoia or later. and Windows 10 or 11.

**Software Updates**

Using USB or Ethernet connection directly connected to Mac or Windows computers. Includes ATEM Setup Utility.

**Configuration**

Set via ATEM Software Control, excluding ATEM chassis IP address which is set via the ATEM Switcher Utility connected via USB to chassis.

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## Operating Systems



Mac 14.0 Sonoma,  
Mac 15.0 Sequoia or later.



Windows 10 and 11.  
Windows 11 for ARM

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## Power Requirements

**Power Supply**

1 x External 12V power supply.

**Power Usage**

120 W max.

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## Physical Specifications



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## Environmental Specifications

### Operating Temperature

5° C to 40° C (41° - 104° F)

### Storage Temperature

-10° to 60° C (14° to 140° F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

ATEM Mini Extreme ISO G2

External 12V DC power supply

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## Warranty

1 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller