

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 x HDMI
1 x Webcam

Control Panel Connection

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

Internal Timecode Generator

Yes

Tally Output

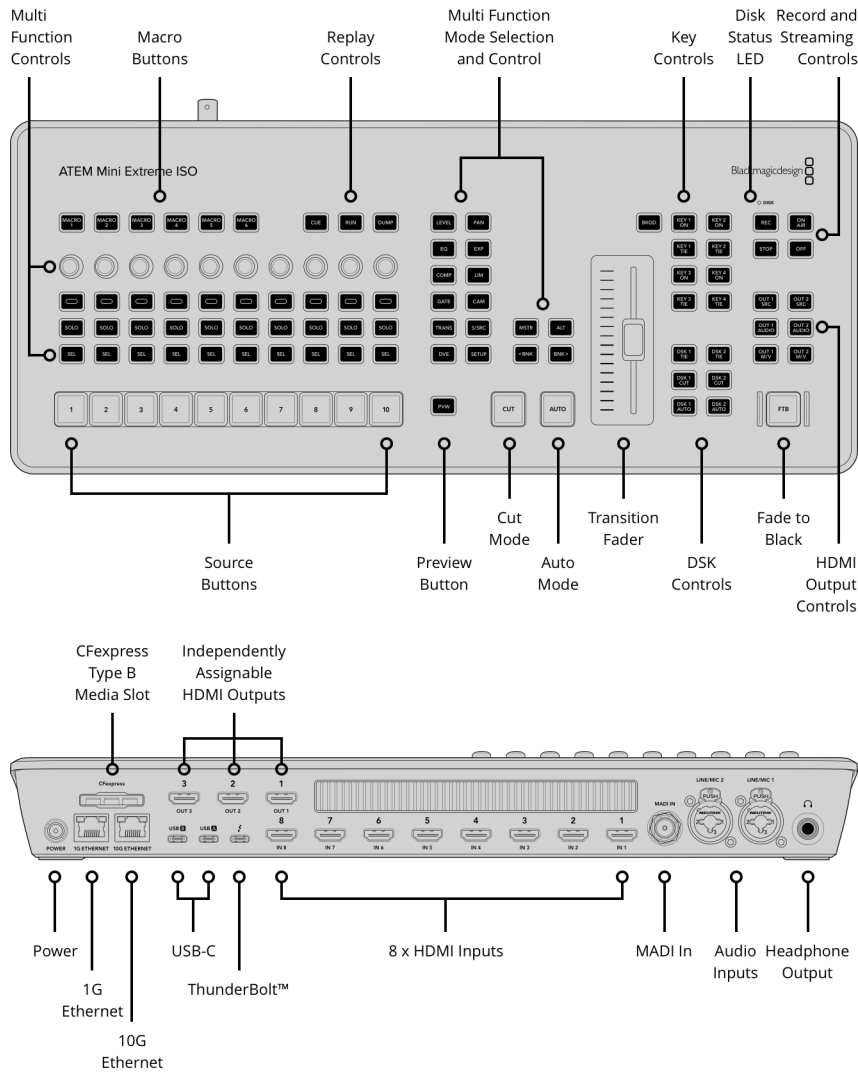
On Blackmagic HDMI and remote cameras.

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

-

Product Specifics

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

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

Streaming Sources

Total Streaming Sources Up to 8

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 for data rates.

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.

Recording

Direct Recording Video and Audio

CFExpress slot for recording
Network 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.

Switching

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

Media Format

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

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.

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 Still Image Format

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

Media Pool Video File Format

TGA Sequence.

Media Pool Audio File Format

WAV, MP3 and AIFF.

Control

Control Panel

Built in control panel.

Software control panel with camera control included. Supports optional hardware panel.

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.

Control Panel Compatibility

Includes ATEM Software Control Panel.

Also compatible with ATEM Micro Panel, ATEM 1 M/E Advanced Panel, ATEM 2 M/E Advanced Panel and ATEM 4 M/E Advanced Panel.

Can 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 Included

ATEM Software Control Panel included free for Mac 10.14 Sonoma, Mac 10.15 Sequoia or later and Windows 11, Windows 10 64 bit only.

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.

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 macOS 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.



The image shows the front panel of a Blackmagic Design ATEM Mini Extreme ISO. The panel is black with a variety of controls. On the left, there are six input buttons labeled 'MICRO 1' through 'MICRO 6', each with a corresponding rotary selector below it. Below these are two rows of buttons: the first row has buttons for 'SOLD' (some with red outlines) and 'SEL', and the second row has buttons for 'SEL'. At the bottom left are ten numbered buttons (1-10), with button 4 highlighted in green. In the center, there are buttons for 'CUE', 'RUN', 'DUMP', 'LEVEL', 'PAN', 'SO', 'EXP', 'COMP', 'LIM', 'GATE', 'CAM', 'TRANS', 'SINC', 'METER', 'ALT', 'DVE', 'SETUP', '<BND', and 'RND>'. On the right side, there are buttons for 'BND', 'REV 1 CUE', 'REV 2 CUE', 'REV 3 CUE', 'REV 4 CUE', 'REV 5 CUE', 'REV 6 CUE', 'REV 7 CUE', 'REV 8 CUE', 'REV 9 CUE', 'REV 10 CUE', 'REV 11 CUE', 'REV 12 CUE', 'REV 13 CUE', 'REV 14 CUE', 'REV 15 CUE', 'REV 16 CUE', 'REV 17 CUE', 'REV 18 CUE', 'REV 19 CUE', 'REV 20 CUE', 'REV 21 CUE', 'REV 22 CUE', 'REV 23 CUE', 'REV 24 CUE', 'REV 25 CUE', 'REV 26 CUE', 'REV 27 CUE', 'REV 28 CUE', 'REV 29 CUE', 'REV 30 CUE', 'REV 31 CUE', 'REV 32 CUE', 'REV 33 CUE', 'REV 34 CUE', 'REV 35 CUE', 'REV 36 CUE', 'REV 37 CUE', 'REV 38 CUE', 'REV 39 CUE', 'REV 40 CUE', 'REV 41 CUE', 'REV 42 CUE', 'REV 43 CUE', 'REV 44 CUE', 'REV 45 CUE', 'REV 46 CUE', 'REV 47 CUE', 'REV 48 CUE', 'REV 49 CUE', 'REV 50 CUE', 'REV 51 CUE', 'REV 52 CUE', 'REV 53 CUE', 'REV 54 CUE', 'REV 55 CUE', 'REV 56 CUE', 'REV 57 CUE', 'REV 58 CUE', 'REV 59 CUE', 'REV 60 CUE', 'REV 61 CUE', 'REV 62 CUE', 'REV 63 CUE', 'REV 64 CUE', 'REV 65 CUE', 'REV 66 CUE', 'REV 67 CUE', 'REV 68 CUE', 'REV 69 CUE', 'REV 70 CUE', 'REV 71 CUE', 'REV 72 CUE', 'REV 73 CUE', 'REV 74 CUE', 'REV 75 CUE', 'REV 76 CUE', 'REV 77 CUE', 'REV 78 CUE', 'REV 79 CUE', 'REV 80 CUE', 'REV 81 CUE', 'REV 82 CUE', 'REV 83 CUE', 'REV 84 CUE', 'REV 85 CUE', 'REV 86 CUE', 'REV 87 CUE', 'REV 88 CUE', 'REV 89 CUE', 'REV 90 CUE', 'REV 91 CUE', 'REV 92 CUE', 'REV 93 CUE', 'REV 94 CUE', 'REV 95 CUE', 'REV 96 CUE', 'REV 97 CUE', 'REV 98 CUE', 'REV 99 CUE', 'REV 100 CUE'. There is also a large vertical slider in the center-right area. The Blackmagic Design logo is in the top right corner.

1.97 in

7.35 in



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What's Included

ATEM Mini Extreme ISO G2
External 12V DC power supply

Warranty

1 Year Limited Manufacturer's Warranty.

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