

# ATEM SDI Extreme ISO



This model includes all the features of ATEM SDI Pro ISO model but has 8 SDI inputs and 4 SDI outputs. It can record 9 separate H.264 video streams in real time, allowing capture of all 8 clean feed inputs as well as the program video. A DaVinci Resolve project file is also saved.

**\$1,495**

## Connections

**Total Video Inputs**

8

**Total Outputs**

6

**Total Aux Outputs**

4

**Total Audio Inputs**

2 x 3.5mm stereo mini jack.

**Total Audio Outputs**

1 x 3.5mm stereo mini jack.

**Timecode Connection**

None

**SDI Video Inputs**

8 x 3G-SDI, 10-bit HD switchable.

2 channel embedded audio.

**Video Input Re-Sync**

On all 8 SDI inputs.

**Frame Rate and Format Converters**

On all 8 SDI inputs.

**SDI Program Outputs**

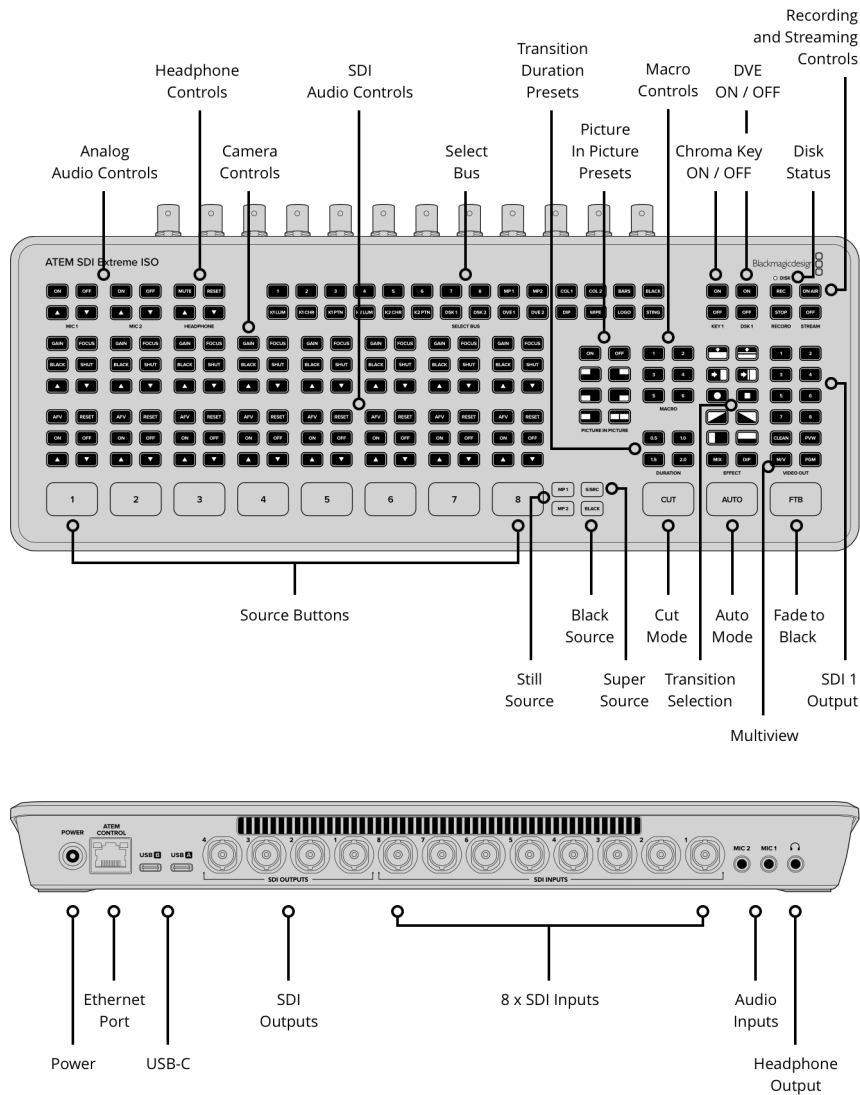
4

**Ethernet**

Ethernet supports 10/100/1000 BaseT for live streaming, software control, software updates and direct or network panel connection.

**Computer Interface**

2 x USB Type-C 3.1 Gen 1 for external drive recording, webcam out, software control, software updates and panel connection.



## 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

### Ultra HD Video Standards

None

### Video Sampling

4:2:2 YUV

### Color Precision

10-bit

### Color Space

Rec 709

### Colorspace Conversion

Hardware based real time.

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## Product Specifics

### Upstream Keyers

4

### Transition Keyer

DVE only.

### DVE With Borders and Drop Shadow

2

### Downstream Keyers

2

### Total Number of Layers

9

### Interface

Minimum monitor resolution of 1366 x 768.

### Advanced Chroma Keyers

Up to 4

### Pattern Generators

5

### Linear/Luma Keyers

Up to 4

### Color Generators

2

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## Audio

### Audio Mixer

11 input x 2 channel mixer. 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

Unbalanced stereo

### Analog Input Delay

Up to 8 frames

### Input Impedance

1.8k

### Max Input Level

+6dBV

### Mic Plug In Power

Available on both 3.5mm mini jack connections.

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## Streaming

### Direct Streaming

ATEM SDI Extreme ISO supports direct live streaming using Real Time Messaging Protocol (RTMP) over ethernet or a shared mobile internet connection over USB-C.

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## Recording

### Direct Recording Video and Audio

USB-C 3.1 Gen 1 expansion port can record directly to external media.

### Video Recording

8 x SDI 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

10 x 2 channel audio inputs recorded as separate 24-bit 48KHz .wav files. Including 2 x analog 2 channel audio inputs and 8 x SDI 2 channel embedded audio inputs.

### Switching

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

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## Media Format

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

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## Multi View Monitoring

### Multi View Monitoring

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

### Multi View Video Standard

HD

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## 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

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

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## 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 BaseT. Ethernet used for direct connection between panel and chassis or via network. ATEM SDI Extreme ISO 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 1 M/E Advanced Panel, ATEM 2 M/E Advanced Panel and ATEM 4 M/E Advanced Panel. ATEM SDI Extreme ISO 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 11.0 Big Sur, Mac 12.0 Monterey or later and Windows 10 64 bit or Windows 11.

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## Software

### Software Updates

Using USB or Ethernet connection directly connected to Mac OS X or Windows computers. Includes ATEM Switcher Utility.

### Configuration

Set via ATEM Software Control Panel, 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 11.0 Big Sur,  
Mac 12.0 Monterey or later.



Windows 10, 64-bit.  
Windows 11.

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## Power Requirements

### Power Supply

1 x External 12V power supply.

### Power Usage

36W

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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

AEM SDI Extreme ISO  
External 12V DC power supply with international socket adapters

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## Warranty

12 Months Limited Manufacturer's Warranty.

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