

# ATEM SDI



ATEM SDI is fast to set up and easy to use. It includes 4 standards converted SDI inputs, USB webcam, 2 SDI outputs, Fairlight audio mixer with EQ and dynamics, DVE for picture in picture, transition effects, green screen chroma key, 20 stills media pool for titles and free ATEM Software Control.

US\$375

## Connections

**Total Video Inputs**

4

**Total Outputs**

3

**Total Aux Outputs**

2

**Total Audio Inputs**

2 x 3.5mm stereo mini jack.

**Total Audio Outputs**

None, embedded audio only.

**Timecode Connection**

None

**SDI Video Inputs**

4 x 3G-SDI, 10-bit HD switchable.  
2 channel embedded audio.

**Video Input Re-Sync**

On all 4 SDI inputs.

**Frame Rate and Format Converters**

On all 4 SDI inputs.

**SDI Program Outputs**

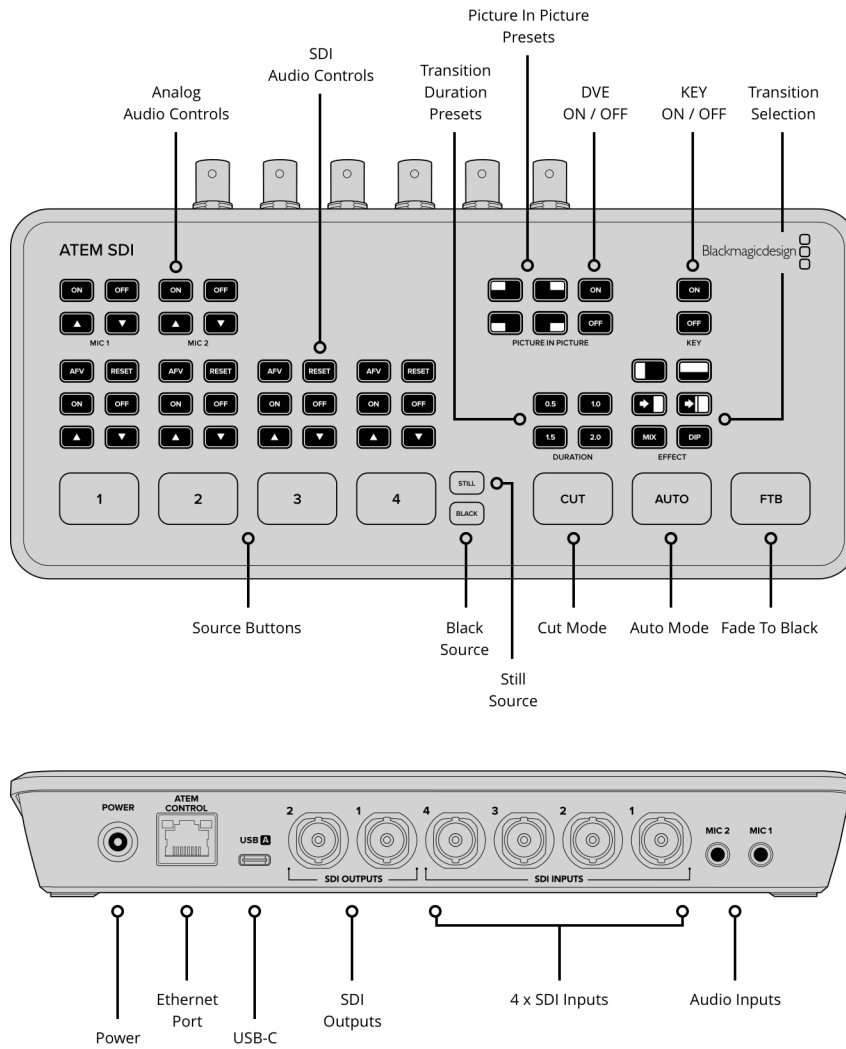
2

**Ethernet**

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

**Computer Interface**

1 x USB Type-C 2.0 for 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

1

### Downstream Keyers

1

### Advanced Chroma Keyers

1

### Linear/Luma Keyers

2

### Transition Keyer

DVE only.

### Total Number of Layers

5

### Pattern Generators

1

### Color Generators

2

### DVE With Borders and Drop Shadow

1

### Interface

Minimum monitor resolution of 1366 x 768.

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## Audio

### Audio Mixer

6 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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## Media Player

### Media Players

1

### Media Pool Still Image Capacity

20 with fill and key.

### Channels

Fill and key for each Media Player.

### 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 included. Supports optional hardware panel.

### Control Panel Connection

Ethernet supports 10/100 BaseT. Allows direct connection between panel and chassis, or via network. Also used for updating the software. ATEM SDI supports direct USB-C connection.

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### 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. ATEM Mini 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 or 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 13.0 Ventura,  
Mac 14.0 Sonoma or later.



Windows 10 and 11.

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## Power Requirements

### Power Supply

1 x External 12V power supply.

### Power Usage

18W

Physical Specifications



Environmental Specifications

<b>Operating Temperature</b> 5° C to 40° C (41° - 104° F)	<b>Storage Temperature</b> -10° to 60° C (14° to 140° F)	<b>Relative Humidity</b> 0% to 90% non-condensing
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What's Included

ATEM SDI  
External 12V DC power supply with international socket adapters

Warranty

12 Months Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller