

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.

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

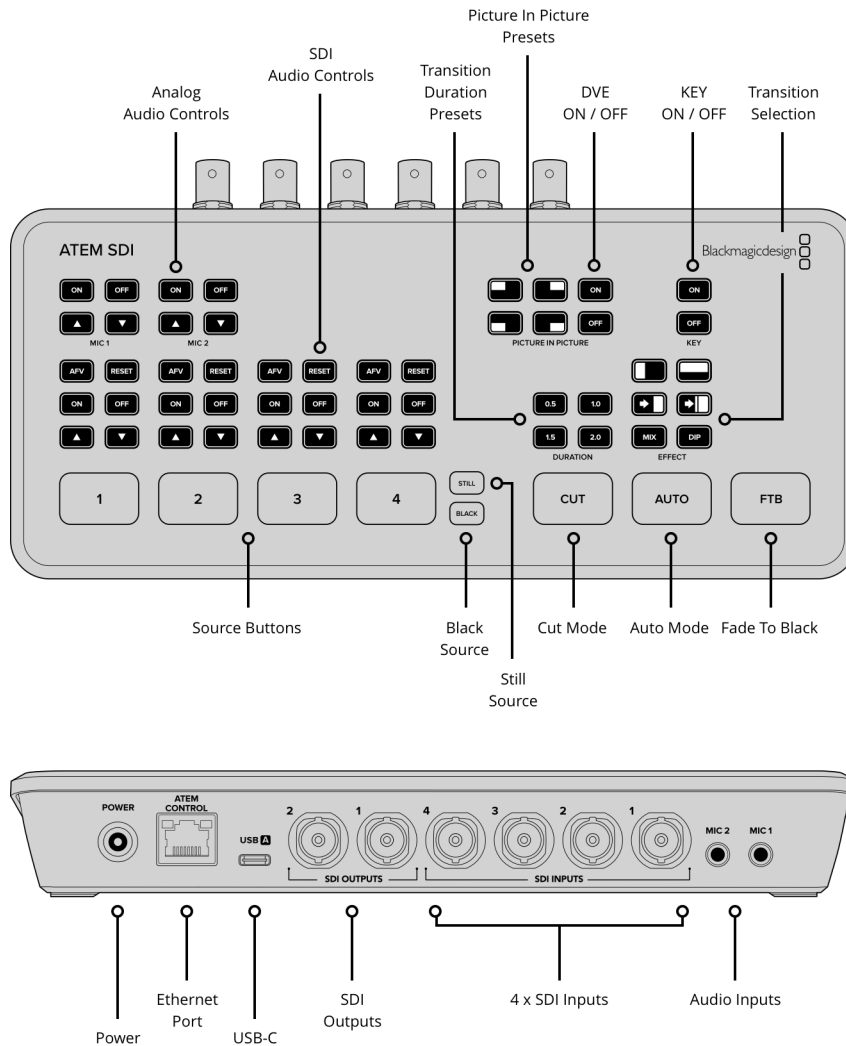
2

Ethernet

Ethernet supports 10/100 BaseT for 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.

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.

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.

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.

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.

Control Panel Compatibility

Includes ATEM Software Control Panel. Also compatible with ATEM 1 M/E Advanced Panel and ATEM 2 M/E Broadcast Panel.

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.

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.

Operating Systems



Mac 11.0 Big Sur,
Mac 12.0 Monterey or later.



Windows 10 and 11.

Power Requirements

Power Supply

1 x External 12V power supply.

Power Usage

18W

Physical Specifications



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 SDI
External 12V DC power supply with international socket adapters

Warranty

12 Months Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller