Blackmagicdesign

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.
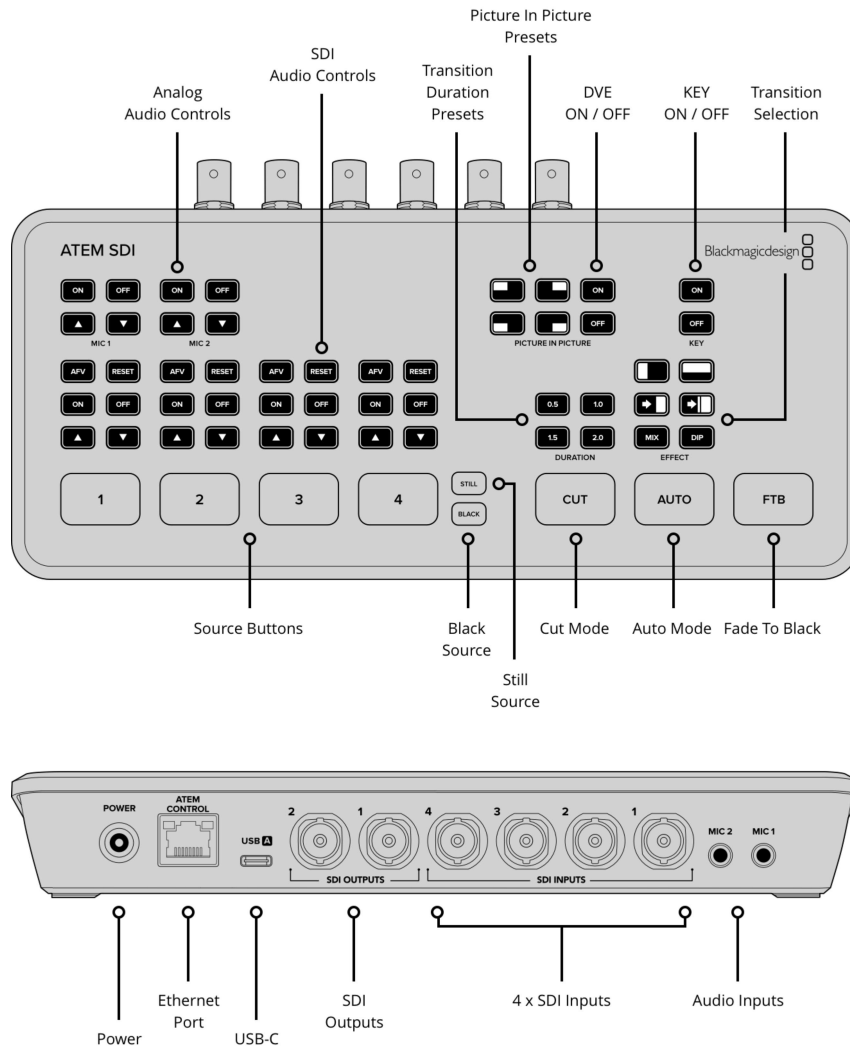
SDI Program Outputs
2

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.

Analog Audio Controls · SDI Audio Controls · Transition Duration Presets · Picture In Picture Presets · DVE ON / OFF · KEY ON / OFF · Transition Selection · Blackmagicdesign · ATEM SDI

Source Buttons · Black Source · Still Source · Cut Mode · Auto Mode · Fade To Black

Power · Ethernet Port · USB-C · SDI Outputs · 4 x SDI Inputs · Audio Inputs

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

Transition Keyer
DVE only.

DVE With Borders and Drop Shadow
1

Downstream Keyers
1

Total Number of Layers
5

Interface
Minimum monitor resolution of
1366 x 768.

Advanced Chroma Keyers
1

Pattern Generators
1

Linear/Luma Keyers
2

Color Generators
2

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

Max Input Level
+6dBV

Analog Input Delay
Up to 8 frames

Mic Plug In Power
Available on both 3.5mm mini jack
connections.

Input Impedance
1.8k

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.
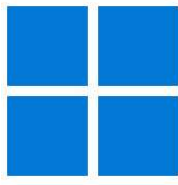
Configuration

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	**Storage Temperature**	**Relative Humidity**
5° C to 40° C (41° - 104° F)	-10° to 60° C (14° to 140° F)	0% to 90% non-condensing

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