Blackmagicdesign

ATEM SDI Pro ISO

This model includes the features of ATEM SDI plus it adds built in streaming and recording to 5 video streams in real time! That's a clean feed of all inputs for multi-cam editing! A DaVinci Resolve project is saved so you can open your live production to edit, remix audio and add color correction!

US$859

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.
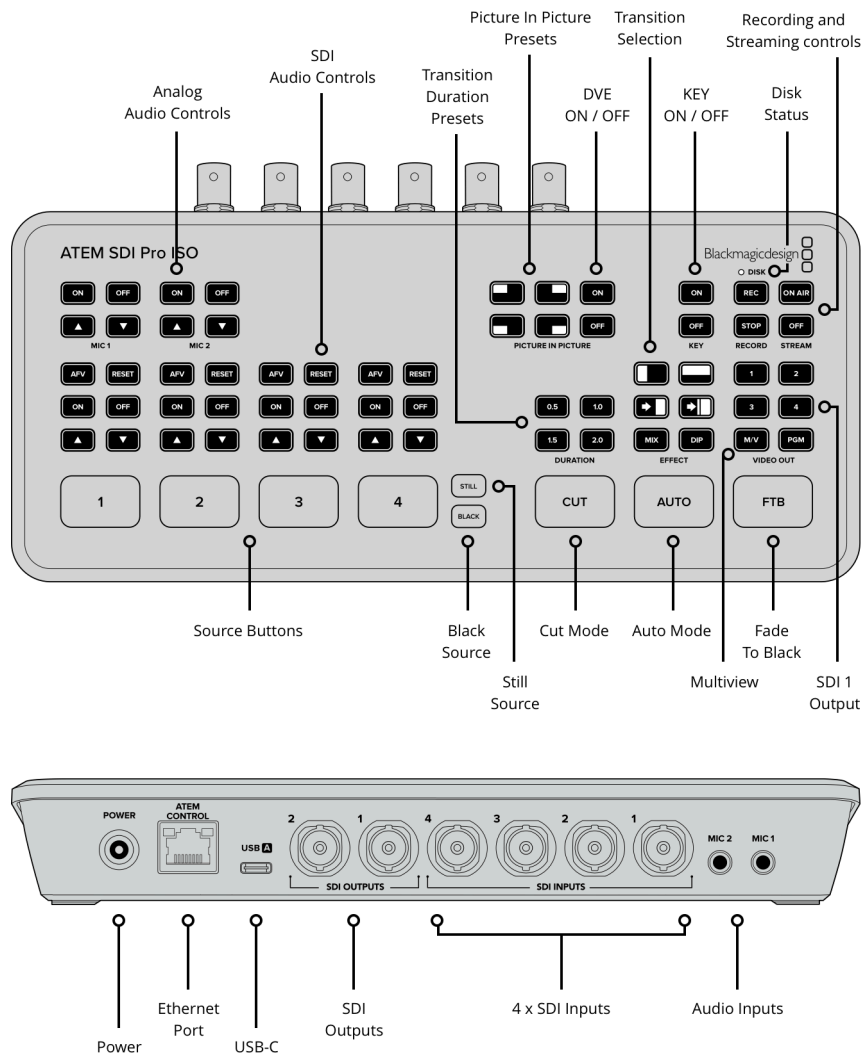
SDI Program Outputs
2

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

Computer Interface
1 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.

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

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.

Streaming

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

Recording

Direct Recording Video and Audio
USB-C 3.1 Gen 1 expansion port can
record directly to external media.

Video Recording
4 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
6 x 2 channel audio inputs recorded
as separate 24-bit 48KHz .wav files.
Including 2 x analog stereo audio
inputs and 4 x SDI 2 channel
embedded audio inputs.

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

Media Format

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

Multi View Monitoring

Multi View Monitoring

1 x 10 Views including left right configurable Program/Preview, 4 SDI inputs, Media Player, Streaming Status, Recording Status and Audio Meters.

Multi View Video Standard

HD

Media Player

Media Players

1

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.

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 Pro 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 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 64 bit or Windows 11.

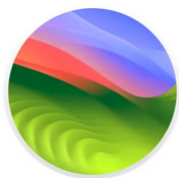## Software

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 13.0 Ventura,
Mac 14.0 Sonoma or later.

Windows 10 and 11.

Power Requirements

Power Supply
1 x External 12V power supply.

Power Usage
36W

Physical Specifications

237.5 mm

35 mm

118.8 mm

KG
680 g

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

What's Included

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

Warranty

12 Months Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller