

ATEM Television Studio HD8 2TB



ATEM Television Studio HD8 2TB is a compact live production switcher with built in broadcast control panel. Get a fully featured broadcast quality live production studio with 8 standards converted 3G-SDI inputs, built in streaming, master recorder, multiview, USB webcam support, DVE, 4 ATEM Advanced Chroma Keyers, media players, 2TB M.2 internal storage, talkback, 4 way Ethernet switch and optional internal cloud media storage.

US\$4,475

Connections

SDI Video Inputs

8

SDI Video Outputs

12

SDI Rates

1.5G, 3G

HDMI Video Outputs

1

Total Audio Inputs

2 x XLR balanced analog audio,
1 x BNC 32 Ch MADI digital audio,
2 x RCA stereo analog audio,
1 x 5 pin XLR Talkback.

Total Audio Outputs

4 x 1/4 inch Jack analog audio,
1 x BNC 64 Ch MADI digital audio, up
to 50 active,
1 x 5 pin XLR Talkback.

SDI Audio Inputs

4 Ch embedded audio on all SDI
inputs.

SDI Audio Outputs

2 Ch embedded audio on all SDI
outputs.

Timecode Connections

1 x BNC In, 1 x BNC Out.

Reference Input

1 x BNC In, 1 x BNC Out.
Tri-Sync or Black Burst.

Video Input Re-Sync

On all 8 inputs.

Frame Rate and Format Converters

On all 8 inputs.

SDI Aux Outputs

2

SDI Program Outputs

1

Webcam Output

2 x USB-C supporting 720p or 1080p
at PGM frame rate.

Total Multi Views

1 x 3G-SDI
1 x HDMI

Remote

RJ12 supports RS-422

Control Panel Connection

Ethernet. Direct connection between
panel and chassis, or via network.

Internal Timecode Generator

Yes

Talkback

RJ45 for 3rd party talkback systems.

Tally Output

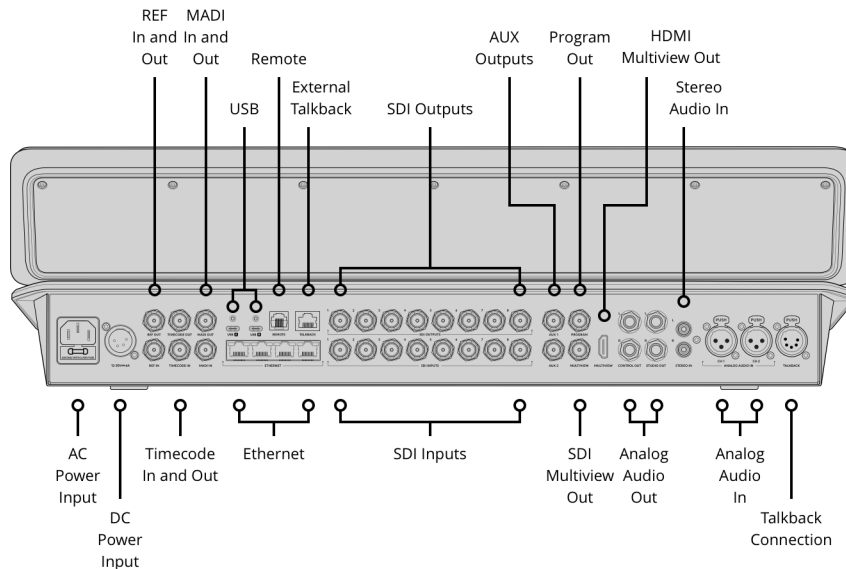
Added via ethernet connection to
Blackmagic Design GPI and Tally
Interface product. (Not included).

Ethernet

4 x RJ45 with internet network switch.
Supports 10/100/1000 BASE-T.

Computer Interface

2 x USB-C supports USB 3.0 for
external drive recording, webcam
out, software control, software
updates and switcher connection.



Standards

SD Video Standards

None

HD Video Input Standards

720p50, 720p59.94, 720p60
1080i50, 1080i59.94, 1080i60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60

SDI Compliance

SMPTE 292M, SMPTE 296M,
SMPTE 424M, SMPTE 425M level A
and B.

Video Sampling

4:2:2

Color Precision

10-bit.

Color Space

Rec 709

SDI Auto Switching

Automatically detects between 1.5G-
SDI and level A or level B 3G-SDI.

Product Specifics

Number of Mix Effects Rows

1

Source Select Bus

1

Fader Bar

1

Direct Cross Points

10

Dedicated Macro Buttons

10 plus shift 10

Record Buttons

2

Shifted Cross Points

20

Transition Type Buttons

5

Stream Buttons

2

Crosspoint Button Type

Tri-Color LED

Transition Rate

Set via system LCD menu display

DSK Transition Selectors

6

Crosspoint Label

6 rows 24 character LCD

Key Buttons

8

Fade to Black Buttons

1

Preview Transition

1

AUX Buttons

12

System LCD Displays

1

Numeric Keypad 1	DVEs 2	Control Panel Integrated panel with full control of switching and settings.
3 Axis Joystick 1	Linear/Luma Keyers 7	Routable Windows 16
Upstream Keyers 4	Transition Keyer (Stinger/DVE) 1 Stinger, 1 DVE.	Windows Source Labels Yes
Downstream Keyers 2	Total Number of Layers 8	Tally Red for program and green for preview indication.
Advanced Chroma Keyers 4	Pattern Generators 7	Talkback Support Yes
SuperSource 1	Color Generators 2	Mix Minus Support Yes

Streaming

Direct Streaming

Supports direct live streaming using Real Time Messaging Protocol (RTMP) over ethernet or a shared internet connection over USB-C.

Recording

Direct Recording Video and Audio

Direct recording to the included internal M.2 flash memory or to external media via USB-C expansion ports.

Video Recording

Program recorded as a H.264 .mp4 file at the streaming quality setting and at the ATEM video standard with AAC audio.

Internal Memory

2TB M.2 NVMe installed.

Media Format

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

Cloud Synchronization



Blackmagic Cloud

[Learn More](#)

Multi View Monitoring

Multi View Monitoring

1 x multi view via SDI and HDMI configurable to 16, 13, 10, 7 or 4 up views. Includes monitoring of Program, Preview, Inputs, Media Players, DSKs, SuperSource, Clean Feed with optional labels and audio meters.

Multi View Video Standard

HD

Display Minimum Resolution

1366 x 768

Media Player

Media Players

2

Media Pool Still Image Format

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

Media Player Clip Length in 1080 HD

200 frames.

Channels

Fill and key for each media player.

Media Pool Clip Capacity

2 x up to 1080p60.

Media Pool Video File Format

TGA sequence.

Media Pool Still Image Capacity

20

Media Player Clip Length in 720 HD

400 frames.

Media Pool Audio File Format

WAV, MP3 and AIFF.

Processing

Processing Delay

< 10 lines when genlocked and in the same format as the switcher.

Audio Mixer

58 Channel mixer.
Selectable On/Off/Audio-Follow-Video.
Level and Peak metering.
Master gain control.
6 band parametric EQ, Dynamics including Expander, Gate, Compressor and Limiter.

Camera Control

When used with most Blackmagic Design cameras, ATEM can control focus, iris and zoom of compatible lenses and camera settings including gain, white balance, tint, shutter, ND filter, color corrector, tally and record start/stop.

Down Conversion

None

Software

Control Panel Included

ATEM Software Control Panel included free for Mac 12.0 Monterey, Mac 13.0 Ventura or later. and Windows 10 or 11.

Software Updates

Using USB or Ethernet connection directly connected to Mac or Windows computers. Includes ATEM Setup Utility.

Operating Systems



Mac 14.0 Sonoma,
Mac 15.0 Sequoia or later.



Windows 10 and 11.

Power Requirements

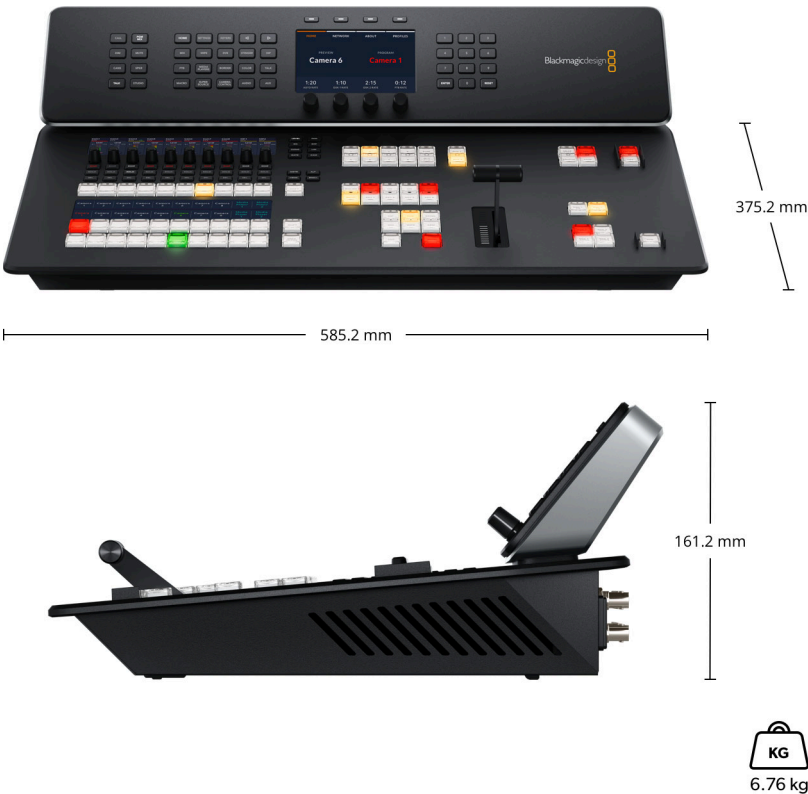
Power Supply

1 x Internal 100 - 240 AC 50/60Hz
with IEC C14 socket.
1 x 4 pin XLR 12V DC In for external
power supply or battery use.

Power Usage

100 W max.

Physical Specifications



Physical Installation

Physical Installation

Desktop or in-desk mount.

Environmental Specifications

Operating Temperature	Storage Temperature	Relative Humidity
0° to 40° C (32° to 104° F)	-20° to 60° C (-4° to 140° F)	0% to 90% non-condensing

What's Included

ATEM Television Studio HD8 2TB

Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's Warranty.

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