

ATEM Television Studio 4K8



\$5,495

ATEM Television Studio 4K8 is a powerful Ultra HD live production switcher with a built in broadcast control panel. Get a fully featured broadcast quality live production studio with 8 12G-SDI inputs, 10 12G-SDI aux outputs for external recorders, 4 port 10G Ethernet switch, built in streaming, master recorder, multiview, USB webcam support, 2 DVEs, SuperSource, 4 ATEM Advanced Chroma Keyers, 2 media players, talkback and more!

Connections

SDI Video Inputs

8

SDI Video Outputs

12

SDI Rates

1.5G, 3G, 6G, 12G

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

16 assignable channels.

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

10

SDI Program Outputs

1

Webcam Output

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

Total Multi Views

1 x 12G-SDI
1 x HDMI 2.0

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

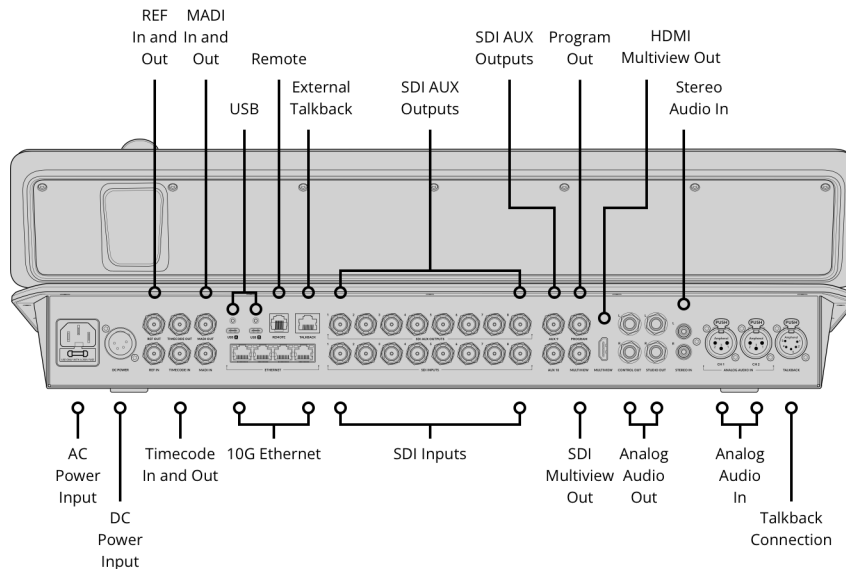
Added via ethernet connection to
Blackmagic Design GPI and Tally
Interface product. (Not included).

Ethernet

4 x RJ45 with internet network switch.
Supports 10/100/1000/10G 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

Ultra HD Video Input Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97
2160p30, 2160p50, 2160p59.94,
2160p60

SDI Compliance

SMPTE 292M, SMPTE 296M,
SMPTE 424M, SMPTE 425M level A
and B, SMPTE 2081-1,
SMPTE 2081-10, SMPTE 2082-1
and SMPTE 2082-10.

Video Sampling

4:2:2

Color Precision

10-bit.

Color Space

Rec 709

SDI Auto Switching

Automatically detects between 1.5G-
SDI, level A or level B 3G-SDI, 6G-SDI
and 12G-SDI.

Product Specifics

Number of Mix Effects Rows

1

Preview Transition

1

Key Buttons

8

Direct Cross Points

10

Source Select Bus

1

AUX Buttons

12

Shifted Cross Points

20

Dedicated Macro Buttons

10 plus shift 10

Fader Bar

1

Crosspoint Button Type

Tri-Color LED

Transition Type Buttons

5

Record Buttons

2

Crosspoint Label

6 rows 24 character LCD

Transition Rate

Set via system LCD menu display

Stream Buttons

2

DSK Transition Selectors 6	Advanced Chroma Keyers 4	Color Generators 2
Fade to Black Buttons 1	SuperSource 1	Control Panel Integrated panel with full control of switching and settings.
System LCD Displays 1	DVEs 2	Routable Windows 16
Numeric Keypad 1	Linear/Luma Keyers 7	Windows Source Labels Yes
3 Axis Joystick 1	Transition Keyer (Stinger/DVE) 1 Stinger, 1 DVE.	Tally Red for program and green for preview indication.
Upstream Keyers 4	Total Number of Layers 8	Talkback Support Yes
Downstream Keyers 2	Pattern Generators 7	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 external media via USB-C expansion ports or optional internal M.2 flash memory.

Video Recording

HD programs recorded as a H.264 .mp4 file at the streaming quality setting and at the ATEM video HD standard with AAC audio. Ultra HD programs recorded as a H.265 HEVC file at the streaming quality setting and at the ATEM video Ultra HD standard with AAC audio.

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 or Ultra HD

Display Minimum Resolution

1366 x 768

Media Player

Media Players

2

Channels

Fill and key for each media player.

Media Pool Still Image Capacity

20

Media Pool Still Image Format

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

Media Pool Clip Capacity

2 x up to 2160p60.

Media Player Clip Length in 720 HD

1600 frames.

Media Player Clip Length in 1080 HD

800 frames.

Media Player Clip Length in 2160 UHD

200 frames.

Media Pool Video File Format

TGA sequence.

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

1 x multi view

Software

Control Panel Included

ATEM Software Control panel included free for Mac and Windows.

Software Updates

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

Configuration

Most switcher configurations are set in ATEM Software Control. To set an ATEM switcher IP address, use the ATEM Setup Utility with a direct USB connection to the switcher.

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

120 W

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 4K8
Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's Warranty.

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