Blackmagicdesign

ATEM Television Studio 4K8

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!

A$7,509

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
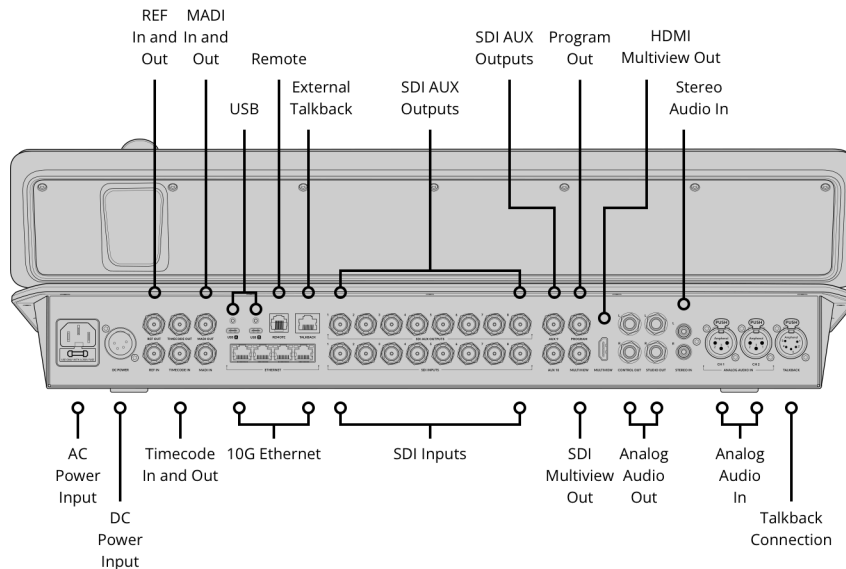RJ45 for 3rd party talkback systems.

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 2.0 for external drive recording, webcam out, software control, software updates and switcher connection.

REF In and Out • MADI In and Out • USB • Remote • External Talkback • SDI AUX Outputs • SDI AUX Outputs • Program Out • HDMI Multiview Out • Stereo Audio In

AC Power Input • DC Power Input • Timecode In and Out • 10G Ethernet • SDI Inputs • SDI Multiview Out • Analog Audio Out • Analog Audio In • Talkback 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, REC 2020

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

Direct Cross Points
10

Shifted Cross Points
20

Crosspoint Button Type
Tri-Color LED

Crosspoint Label
6 rows 24 character LCD

Preview Transition
1

Source Select Bus
1

Dedicated Macro Buttons
10 plus shift 10

Transition Type Buttons
5

Transition Rate
Set via system LCD menu display

Key Buttons
8

AUX Buttons
12

Fader Bar
1

Record Buttons
2

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 optional internal M.2 flash memory or to external media via USB-C expansion ports.

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).

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
720 frames.

Media Player Clip Length in 1080 HD
360 frames.

Media Player Clip Length in 2160 HD
90 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
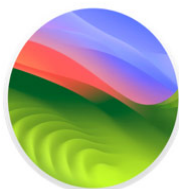1 x multi view

Software

Control Panel Included
ATEM Software Control Panel included free for Mac 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 OS or Windows computers. Includes ATEM Setup Utility.

Operating Systems

Mac 13.0 Ventura,
Mac 14.0 Sonoma 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

TBA

Physical Specifications

375.2 mm

585.2 mm

16 mm

161.2 mm

6.76 kg

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

12 Months Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller