

ATEM Production Studio 4K



ATEM Production Studio 4K lets you connect up to 8 SD, HD or Ultra HD 4K video cameras, disk recorders and computers to do true broadcast quality work. You get all the features you expect from a professional switcher including chroma key, transitions, media pool, downstream keyers, audio mixer, multi view and the world's first 6G-SDI and HDMI 4K video connections.

\$1,695

Connections

Total Video Inputs

8

Total Video Outputs

6

SDI Rates

270Mb, 1.5G, 3G, 6G.

Total Audio Inputs

2 x XLR. 2 x RCA.

Total Audio Outputs

2 x XLR Program.

Timecode Connection

None

SDI Video Inputs

4 x 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.

HDMI Video Inputs

4 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.

SDI Audio Outputs

2 channel embedded into SDI output.

Reference Input

Tri-Sync or Black Burst.

Video Input Re-Sync

On all 8 inputs.

SDI Program Outputs

1 x 10-bit SD/HD/Ultra HD 4K switchable.

HDMI Program Outputs

1 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable.

Down Converted SDI

Program Outputs

1 x 10-bit HD (Ultra HD 4K to HD).

SDI Aux. Output

1

Total Multi Views

1

SDI Multi View Outputs

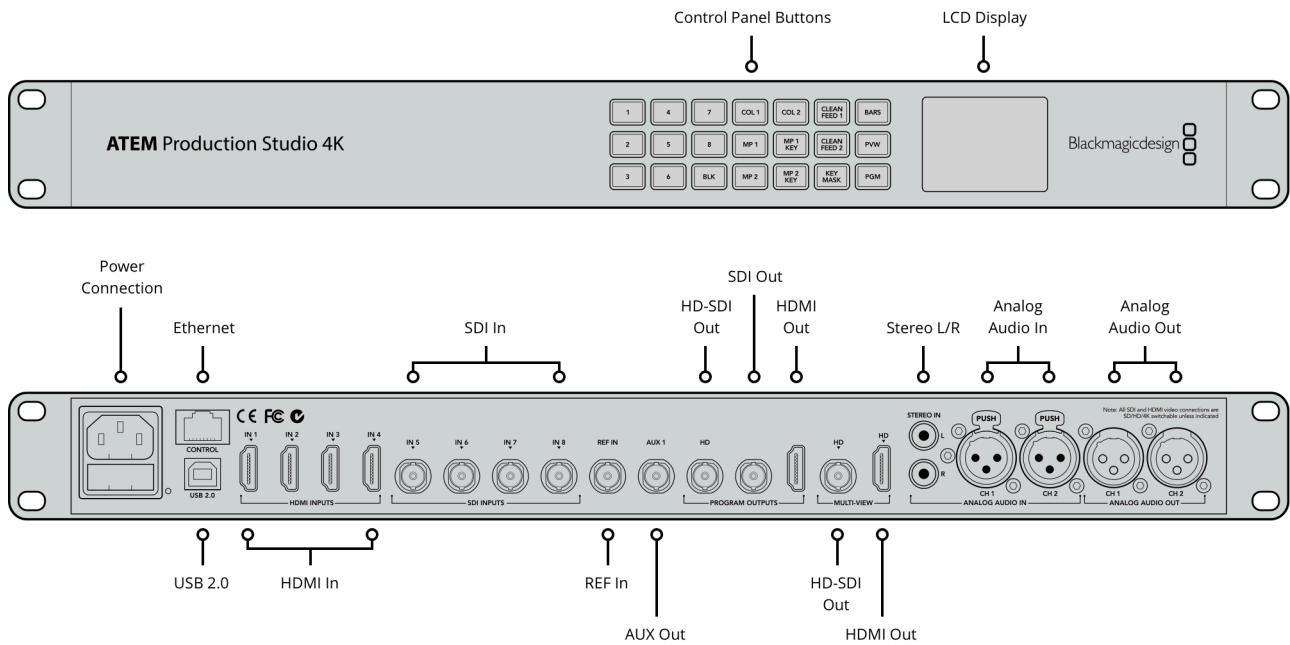
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HDMI Multi View Outputs

1

Control Panel Connection

Ethernet supports 10/100/1000 BaseT. Allows direct connection between panel and chassis, or via network.



Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

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

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
 2160p29.97

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE
 424M.

Video Sampling

4:2:2

Color Precision

10-bit

Color Space

REC 601, REC 709

HDMI Input Resolutions for Computers

720 x 480i 59.97Hz, 720 x 576i 50Hz,
 1280 x 720 59.94Hz, 1280 x 720 50Hz
 and 1920 x 1080 59.94Hz, 1920 x
 1080 50Hz, 3840 x 2160 23.98Hz,
 3840 x 2160 24Hz, 3840 x 2160 25Hz,
 3840 x 2160 29.97Hz.

Colorspace Conversion

Hardware based real time.

Processing Delay

1 Line.

Audio Mixer

10 input x 2 channel mixer. Selectable
 On/Off/Audio-Follow-Video. Level and
 Peak metering. Master gain control.
 Analog outputs may be used for
 separate monitoring.

4K to HD Down Conversion

Yes, program x 1.

Product Specifics

Upstream Keys

1 with Chroma/Linear/Luma key.

Downstream Keys

2

Chroma Keys

1

Talkback Support

None

Mix Minus Support

None

Linear/Luma Keys

3

Transition Keyer (Stinger/DVE)

None

Total Number of Layers

4

Pattern Generators

3

Color Generators 2	Display interface Minimum monitor resolution of 1366 x 768.	Tally Red for program and green for preview indication.
DVE with 3D Borders & Drop Shadow None	Number of Windows 1 x 10	Windows Source Labels Yes
	Routable Windows 8	Control Panel Software or optional hardware panel.

media-player

media-players 2	media-player Clip Length in 1080 HD None	Media Pool Audio File Format None.
Media Pool Still Image Capacity 20 with fill and key.	media-player Clip Length in Ultra HD None	Channels Fill and key for each media-player.
Media Pool Clip Capacity None	Media Pool Still Image Format PNG, TGA, BMP, GIF, JPEG and TIFF.	
media-player Clip Length in 720 HD None	Media Pool Video File Format None.	

Multi View Monitoring

Multi View Monitoring 1 x 10 Views.	Multi View Video Standard HD.
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Display

Interface Minimum monitor resolution of 1366 x 768.	Front Panel Built in LCD monitor for video and 42 LED buttons for Aux switching.
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Software

Control Panel Included ATEM Software Control Panel included free for Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later and Windows 8.1 64-bit or Windows 10 64-bit.	Tally Output Added via Ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included.)	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.
	Software Updates Using USB connection directly connected to Mac OS X or Windows computers. Includes ATEM Switcher Utility.	

Operating Systems



macOS 10.12 Sierra,
macOS High Sierra 10.13 or later.



Windows 8.1 or
Windows 10.

Power Requirements

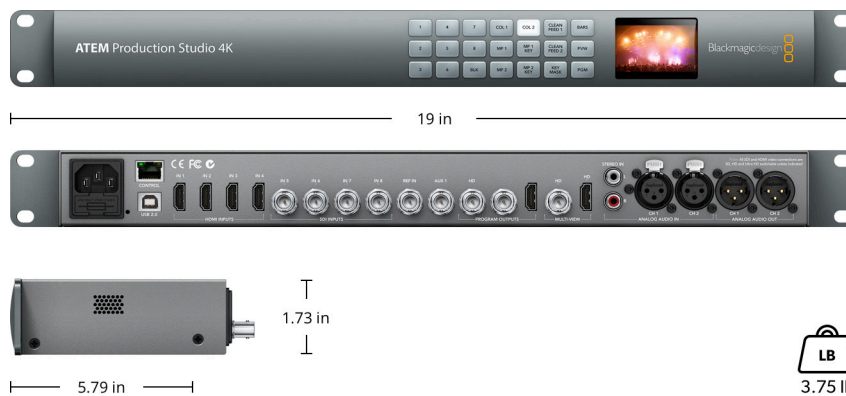
Power Supply

1 x Internal 110 - 240V AC.

Power Usage

60W

Physical Specifications



Environmental Specifications

Operating Temperature

0° to 40° C (32° to 104° F)

Storage Temperature

-20° to 60° C (-4° to 140° F)

Relative Humidity

0% to 95% non-condensing

What's Included

ATEM Production Studio 4K
SD card with software and manual

Warranty

12 Month Limited Manufacturer's Warranty.

Repair policy

Warranty details can be found in the ATEM Switchers Operation Manual in the support page at www.blackmagicdesign.com

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