Blackmagicdesign

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 Input
8

Total Video Output
6

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

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

Analog Audio Output
2 x XLR.

SDI Audio Output
2 channel embedded into SDI output.

Audio Input
2 x XLR. 2 x RCA.

Sync Input
Tri-Sync or Black burst.

Internal Frame Synchronizers
8. All inputs.

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

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

Down Converted SDI Program Output
1 x 10-bit HD (Ultra HD 4K to HD).

SDI Aux. Output
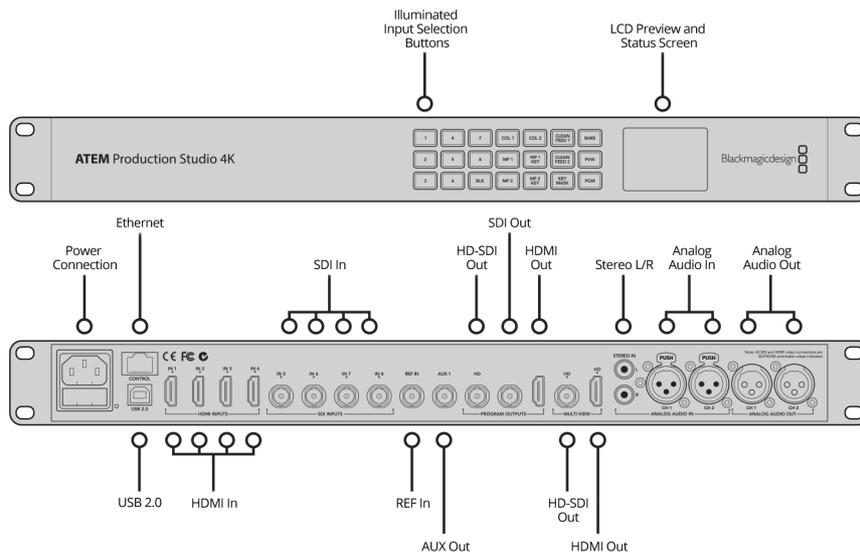1

Quantity of Multi Views
1

Outputs per Multi View
1 x HD-SDI and 1 x HDMI.

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

Video Standards

SD Format Support
525/29.97 NTSC 4:3, 16:9, 625/25 PAL 4:3, 16:9

HD Format Support
720p50, 59.94
1080p23.98, 24, 25, 29.97, 50, 59.94
1080i50, 59.94

Ultra HD Format Support
2160p23.98, 24, 25, 29.97

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.

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.

Software Updates
Using USB 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.

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

Operating Systems

Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later.

Windows 8.1 64-bit or Windows 10 64-bit.

Product Specifics

Total Number of Layers
4

Upstream Keyers
1

Downstream Keyers
2

Linear/Luma Keyers
3

Chroma Keyers
1

Pattern Generators
2

Color Generators
2

Display interface
Minimum monitor resolution of 1366 x 768.

Media Players
2

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.

Number of Windows
1 x 10

Routable Windows
8

Tally
Red for program and green for preview indication.

Windows Source Labels
Yes

Control Panel Compatibility
Includes ATEM Software Control Panel. Also compatible with ATEM 1 M/E Broadcast Panel and ATEM 2 M/E Broadcast Panel.

Power Requirements

Input Voltage
110-240 V AC

Power Usage
60W

Physical Specifications

1.73 in

19 in

5.79 in

3.75 lb

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

Product 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

Blackmagic Design Authorized Reseller