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
1

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.

**Colors Space 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 Keyers**
1 with Chroma/Linear/Luma key.

**Downstream Keyers**
2

**Chroma Keyers**
1

**Talkback Support**
None

**Mix Minus Support**
None

**Linear/Luma Keyers**
3

**Transition Keyer (Stinger/DVE)**
None

**Total Number of Layers**
4

**Pattern Generators**
3
Color Generators
2

DVE with 3D Borders & Drop Shadow
None

Display interface
Minimum monitor resolution of 1366 x 768.

Number of Windows
1 x 10

Routable Windows
8

Tally
Red for program and green for preview indication.

Windows Source Labels
Yes

Control Panel
Software or optional hardware panel.

Media Player

Media Players
2

Media Pool Still Image Capacity
20 with fill and key.

Media Pool Clip Capacity
None

Media Player Clip Length in 720 HD
None

Media Pool Video File Format
None.

Media Pool Audio File Format
None.

Media Player Clip Length in 1080 HD
None

Media Pool Still Image Format
PNG, TGA, BMP, GIF, JPEG and TIFF.

Media Player Clip Length in Ultra HD
None

Channels
Fill and key for each Media Player.

Multi View Monitoring

Multi View Monitoring
1 x 10 Views.

Multi View Video Standard
HD.

Display

Interface
Minimum monitor resolution of 1366 x 768.

Front Panel
Built in LCD monitor for video and 42 LED buttons for Aux switching.

Software

Control Panel Included
ATEM Software Control Panel included free for Mac 10.10 Yosemite, Mac 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.)

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

Configuration
Set via ATEM Software Control Panel, excluding ATEM chassis IP address which is set via the ATEM Setup Utility connected via USB to chassis.
Operating Systems

Mac 10.12 Sierra, Mac 10.13 High Sierra or later.

Windows 8.1 or Windows 10.

Power Requirements

**Power Supply**
1 x Internal 100 - 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