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.

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, 1080p50, 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.

Colorsace 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
<table>
<thead>
<tr>
<th><strong>Color Generators</strong></th>
<th><strong>Display interface</strong></th>
<th><strong>Tally</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Minimum monitor resolution of 1366 x 768.</td>
<td>Red for program and green for preview indication.</td>
</tr>
<tr>
<td><strong>DVE with 3D Borders &amp; Drop Shadow</strong></td>
<td><strong>Number of Windows</strong></td>
<td><strong>Windows Source Labels</strong></td>
</tr>
<tr>
<td>None</td>
<td>1 x 10</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Media Player</strong></th>
<th><strong>Media Players</strong></th>
<th><strong>Media Player Clip Length in 1080 HD</strong></th>
<th><strong>Media Pool Audio File Format</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>None</td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Media Pool Still Image Capacity</strong></th>
<th><strong>Media Player Clip Length in Ultra HD</strong></th>
<th><strong>Media Pool Still Image Format</strong></th>
<th><strong>Channels</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>20 with fill and key.</td>
<td>None</td>
<td>PNG, TGA, BMP, GIF, JPEG and TIFF.</td>
<td>Fill and key for each Media Player.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Media Pool Clip Capacity</strong></th>
<th><strong>Media Pool Video File Format</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Media Player Clip Length in 720 HD</strong></th>
<th><strong>Media Pool Audio File Format</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Multi View Monitoring</strong></th>
<th><strong>Multi View Monitoring</strong></th>
<th><strong>Multi View Video Standard</strong></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1 x 10 Views.</td>
<td>HD.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Display</strong></th>
<th><strong>Interface</strong></th>
<th><strong>Front Panel</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Minimum monitor resolution of 1366 x 768.</td>
<td>Built in LCD monitor for video and 42 LED buttons for Aux switching.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Software</strong></th>
<th><strong>Control Panel Included</strong></th>
<th><strong>Tally Output</strong></th>
<th><strong>Configuration</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>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.</td>
<td>Added via Ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included.)</td>
<td>Set via ATEM Software Control Panel, excluding ATEM chassis IP address which is set via the ATEM Setup Utility connected via USB to chassis.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Software Updates</strong></td>
<td></td>
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<td></td>
<td></td>
<td>Using USB connection directly connected to Mac or Windows computers. Includes ATEM Setup Utility</td>
<td></td>
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</tbody>
</table>
Operating Systems

Mac 10.12 Sierra, Mac 10.13 High Sierra or later.  
Windows 8.1 or Windows 10.

Power Requirements

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Power Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x Internal 110 - 240V AC.</td>
<td>60W</td>
</tr>
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</table>

Physical Specifications

Environmental Specifications

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° to 40° C (32° to 104° F)</td>
<td>-20° to 60° C (-4° to 140° F)</td>
<td>0% to 95% non-condensing</td>
</tr>
</tbody>
</table>

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
Blackmagic Design Authorized Reseller