

# ATEM Television Studio Pro HD



**\$2,295**

ATEM Television Studio Pro HD is the first production switcher designed for both broadcasters and AV professionals with a fully featured hardware control panel built in. It includes 4 SDI and 4 HDMI inputs with re-sync on all inputs so you can use it with broadcast or consumer cameras. ATEM Television Studio Pro HD is packed with high end features and is perfect for live production, episodic television programming, web shows, AV or even live coverage of gaming competitions! Simply plug in cameras, game consoles or computers and start switching live!

## Connections

**Total Video Inputs**

8

**Total Outputs**

8

**Total Aux Outputs**

1

**SDI Rates**

270Mb, 1.5G, 3G.

**Total Audio Inputs**

2 x XLR.

**Total Audio Outputs**

None, embedded audio only.

**SDI Video Input**

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

**HDMI Video Inputs**

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

**Reference Inputs**

Tri-Sync or Black Burst.

**Video Input Re-Sync**

On all 8 inputs.

**SDI Program Outputs**

5 x 10-bit SD/HD switchable.

**SDI Audio Outputs**

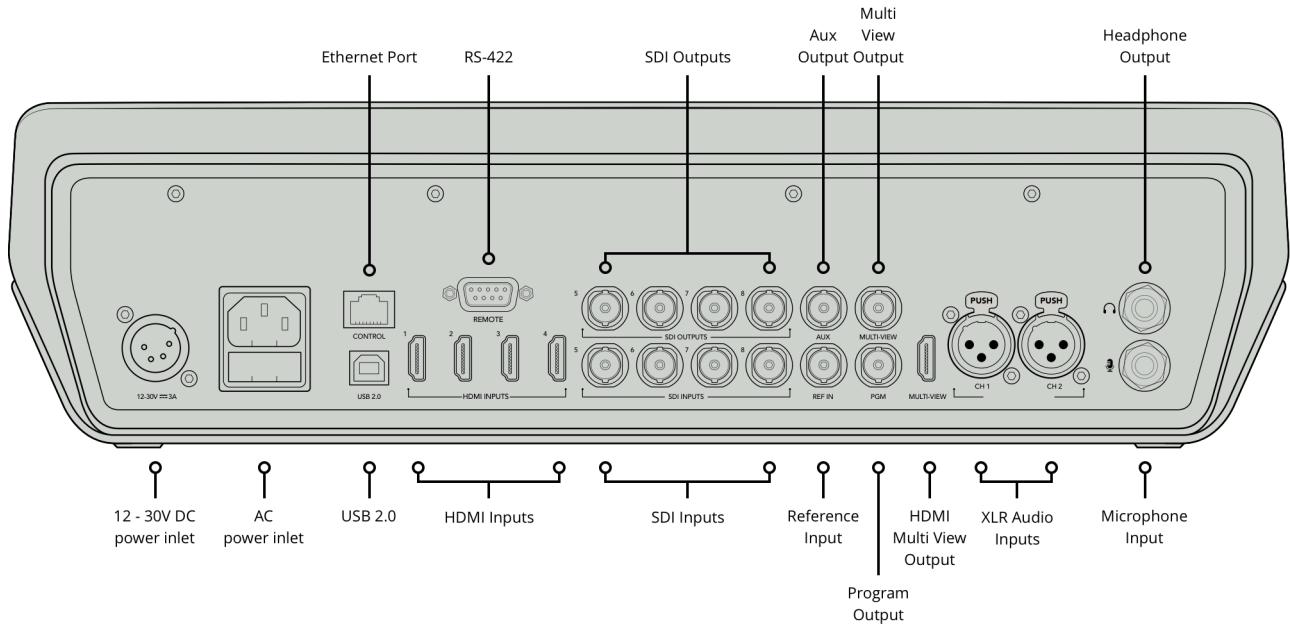
2 Ch embedded into SDI output.

**Multi View Monitoring**

1

**Multi View Video Standard**

1 x HD-SDI and 1 x HDMI.



## Standards

### SD Video Standards

525i59.94 NTSC 4:3 or 16:9, 625i50  
PAL 4:3 or 16:9

### HD Video Standards

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

### Ultra HD Video Standards

None

### SDI Compliance

SMPTE 259M, 292M and 424M.

### Video Sampling

4:2:2 10-bit

### Color Precision

4:2:2 10-bit

### Color Space

4:2:2 YUV

### HDMI Input Resolutions for Computers

720 x 480i 59.94Hz, 720 x 576i 50Hz,  
1280 x 720p 59.94Hz 50Hz and 1920  
x 1080p 23.98, 24, 25, 29.97,30, 50,  
59.94 and 1920 x 1080i 50 and  
59.94Hz 60Hz.

### Colorspace Conversion

Hardware based real time.

### Processing Delay

6 Lines.

### Audio Mixer

10 input x 2 channel mixer.  
Selectable On/Off/Audio-Follow-Video  
per channel plus separate gain  
control per channel.  
Level and Peak metering.  
Master gain control. Headphone  
output level control with separate  
mix of Program, Talkback and  
Sidetone.

## Product Specifics

### Upstream Keys

1 with Chroma/Linear/Luma key.

### Downstream Keys

2

### Chroma Keys

1

### Linear/Luma Keys

3

### Talkback Support

Built in, uses aviation headset.

### Mix Minus Support

Yes, on 4 camera PGM outputs.

### Transition Keyer (Stinger/DVE)

DVE only.

### Total Number of Layers

5

### Pattern Generators

2

|   |  |   |
|---|--|---|
| <b>Color Generators</b><br>2                                  | <b>Number of Windows</b><br>1 x 10   | <b>Tally Output</b><br>Added via ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included) |
| <b>DVE with 3D Borders &amp; Drop Shadow</b><br>1             | <b>Routable Windows</b><br>8 routable and 2 fixed for Program and Preview. | <b>Windows Source Labels</b><br>Yes.  |
| <b>Interface</b><br>Minimum monitor resolution of 1366 x 768. | <b>Tally</b><br>Red for program and green for preview indication.          |   |

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## Multi View Monitoring

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|---|--|
| <b>Multi View Monitoring</b><br>1 x 10 Views. | <b>Multi View Video Standard</b><br>HD |
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## Media Player

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| <b>Media Players</b><br>2, with non volatile flash memory. | <b>Media Pool Still Image Capacity</b><br>20 with fill and key.            |
| <b>Channels</b><br>Fill and key for each Media Player.     | <b>Media Pool Still Image Format</b><br>PNG, TGA, BMP, GIF, JPEG and TIFF. |

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## Control

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|---|---|---|
| <b>Control Panel</b><br>Built in with camera control. Software panel included. Supports optional broadcast panel. | <b>Control Panel Compatibility</b><br>Includes ATEM Software Control Panel. Also compatible with ATEM 1 M/E Broadcast Panel and ATEM 2 M/E Broadcast Panel. | <b>Control Panel Included</b><br>ATEM Software Control Panel included free for Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra or later and Windows 8.1 64-bit or Windows 10 64-bit. |
|---|---|---|

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## Software

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|--|---|
| <b>Software Updates</b><br>Using USB connection directly connected to Mac OS X or Windows computers. Includes ATEM Switcher Utility. | <b>Configuration</b><br>Set via ATEM Software Control Panel, excluding ATEM chassis IP address which is set via the ATEM Switcher Utility connected via USB to chassis. |
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## Operating Systems



macOS 10.12 Sierra,  
macOS High Sierra 10.13 or later.



Windows 8.1 or  
Windows 10.

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## Power Requirements

### Power Supply

1 x Internal 110 - 240V AC. 4 pin 12V  
DC.

### Power Usage

40W

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## Physical Specifications



## Environmental Specifications

### Operating Temperature:

5° C to 40° C

### Storage Temperature:

-20° to 60° C (-4° to 140° F)

### Relative Humidity:

0% to 90% non-condensing

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## What's Included

ATEM Television Studio Pro HD

SD card with software and manual

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## Warranty

12 Months 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](http://www.blackmagicdesign.com).

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