

# ATEM Television Studio HD



**\$995**

ATEM Television Studio HD is the first production switcher designed for both broadcasters and AV professionals. 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 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**

1 x Headphone.

**Timecode Connection**

None.

**SDI Video Inputs**

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.

**HDMI Program Outputs**

None.

**SDI Audio Outputs**

2 Ch embedded into SDI output.

**Total Multi Views**

1

**SDI Multi View Outputs**

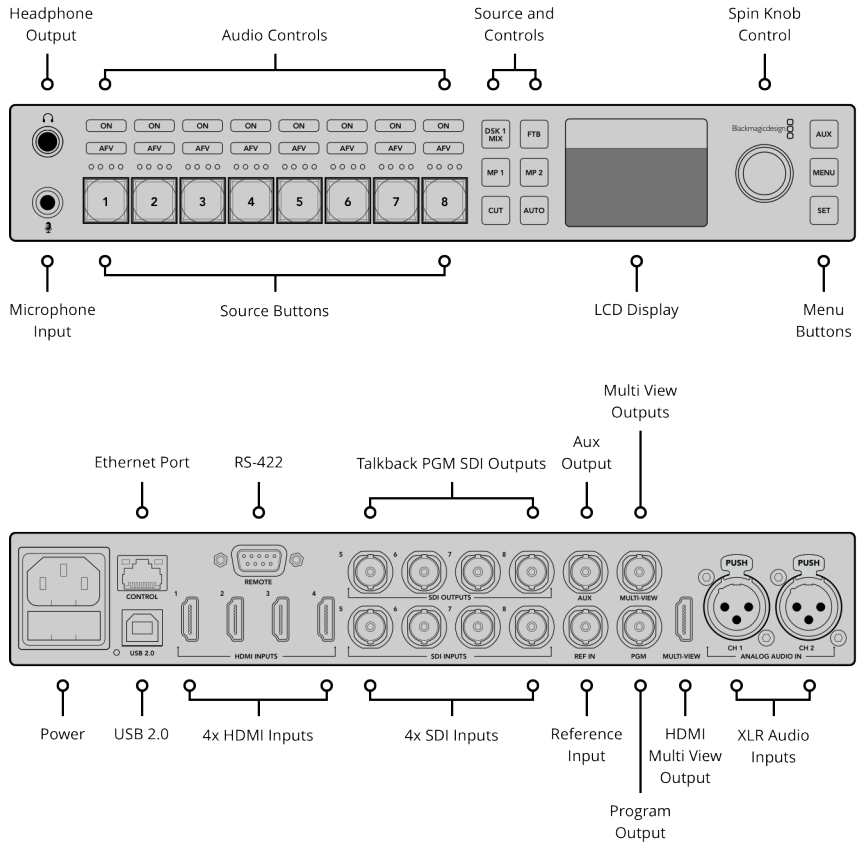
1

**HDMI Multi View Outputs**

1

**Computer Outputs**

None.



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 x1080i 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.  
Level and Peak metering.  
Master gain control. Headphone  
output level control with separate  
mix of Program, Talkback and  
Sidetone.

Product Specifics

**Upstream Keyers**

1

**Downstream Keyers**

2

**Chroma Keyers**

1

<b>Linear/Luma Keyers</b> 3	<b>Pattern Generators</b> 2	<b>Routable Windows</b> 8 routable and 2 fixed for Program and Preview.
<b>Talkback Support</b> Built in, uses aviation headset.	<b>Color Generators</b> 2	<b>Tally</b> Red for program and green for preview indication.
<b>Mix Minus Support</b> Yes, on 4 camera PGM outputs.	<b>DVE with 3D Borders &amp; Drop Shadow</b> 1	<b>Tally Output</b> Added via ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included.)
<b>Transition Keyer (Stinger/DVE)</b> DVE only.	<b>Interface</b> Minimum monitor resolution of 1366 x 768.	<b>Windows Source Labels</b> Yes
<b>Total Number of Layers</b> 5	<b>Number of Windows</b> 1 x 10	

## Multi View Monitoring

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

<b>Media Players</b> 2, with non volatile flash memory.	<b>Media Player Clip Length in 720 HD</b> None.	<b>Media Pool Video File Format</b> None.
<b>Channels</b> Fill and key for each Media Player.	<b>Media Player Clip Length in 1080 HD</b> None.	<b>Media Pool Audio File Format</b> None.
<b>Media Pool Still Image Capacity</b> 20 with fill and key.	<b>Media Player Clip Length in Ultra HD</b> None.	
<b>Media Pool Clip Capacity</b> None.	<b>Media Pool Still Image Format</b> PNG, TGA, BMP, GIF, JPEG and TIFF.	

## Control

<b>Control Panel</b> Built in control panel. Software control panel included. Supports optional broadcast panel.	<b>Control Panel Compatibility</b> Compatible with ATEM 1 M/E Advanced Panel, ATEM 2 M/E Advanced Panel and ATEM 4 M/E Advanced Panel. Includes ATEM Software Control Panel.	<b>Control Panel Included</b> 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.
<b>Control Panel Connection</b> Ethernet supports 10/100/1000 BaseT. Allows direct connection between panel and chassis, or via network. Also used for updating the software.		

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## Software

### Software Updates

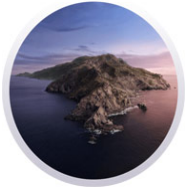
Using USB connection directly connected to Mac or Windows computers. Includes ATEM Setup Utility

### 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.

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## Operating Systems



Mac 10.14 Mojave,  
Mac 10.15 Catalina or later.



Windows 8.1 and 10.

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## Power Requirements

### Power Supply

1 x internal 100 – 240V AC

### Power Usage

40W

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## Physical Specifications



## Environmental Specifications

### Operating Temperature:

5° C to 40° C (41° - 104°F)

### Storage Temperature:

-10° to 60° C (14° to 140° F)

### Relative Humidity:

0% to 90% non-condensing

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## What's Included

ATEM Television Studio HD

Welcome wallet with QR code for software download

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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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