ATEM Television Studio Pro HD



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!

$2,295

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.

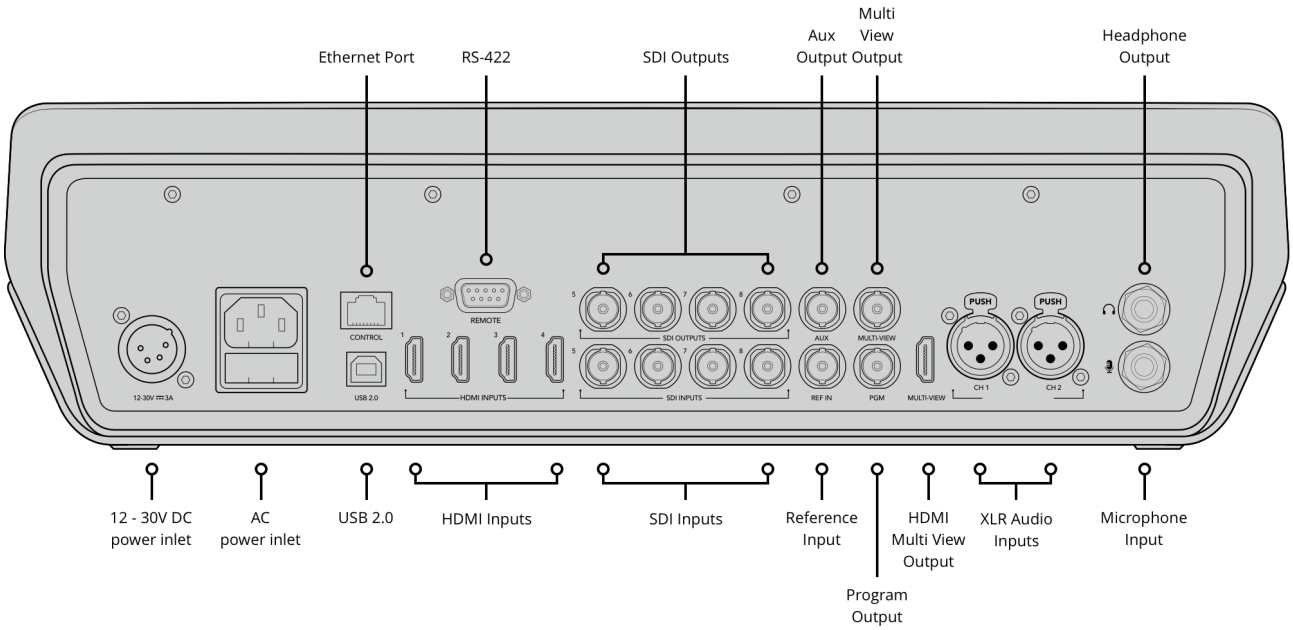
Video Input Re-Sync
On all 8 inputs.

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 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 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 Keyers
1 with Chroma/Linear/Luma key.

Downstream Keyers
2

Chroma Keyers
1

Linear/Luma Keyers
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

Color Generators
2

DVE with 3D Borders & Drop Shadow
1

Interface
Minimum monitor resolution of 1366 x 768.

Number of Windows
1 x 10

Routable Windows
8 routable and 2 fixed for Program and Preview.

Tally
Red for program and green for preview indication.

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

Windows Source Labels
Yes.

Multi View Monitoring

Multi View Monitoring
1 x 10 Views.

Multi View Video Standard
HD

Media Player

Media Players
2, with non volatile flash memory.

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.

Control

Control Panel
Built in with camera control. Software panel included. Supports optional broadcast panel.

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

Control Panel Included
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.

Software

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.

Operating Systems



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



Windows 8.1 or Windows 10.

Power Requirements

Power Supply

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

Power Usage

40W

Physical Specifications



LB
9 lbs 4 oz

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

What's Included

ATEM Television Studio Pro HD

SD card with software and manual

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.

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