Blackmagicdesign

ATEM Television Studio

The production switcher for the internet age! ATEM Television Studio is a full broadcast quality production switcher with real time H.264 encoding so you can capture live events directly to files for internet distribution! ATEM Television Studio includes 6 video inputs with both broadcast SDI and consumer HDMI inputs for cameras and computers. You get software control panel, chroma keyer, two media player frame-stores, downstream keyers, transitions and more! Also works with ATEM control panels!

$995

Connections

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

Total Video Inputs
6

Total Outputs
6

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

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

Sync Input
Tri-Sync or Blackburst

Internal Frame Synchronizers
6. All inputs.

SDI Program Output
2 x 10-bit SD/HD switchable

HDMI Program Output
1 x HDMI type A, 10-bit SD/HD switchable

SDI Audio Output
2 Ch embedded into SDI output.

Audio Input
1 x AES/EBU. Unbalanced via BNC connector.

Computer Output
1 x USB 2.0 H.264 encoded from program output. Media Express for Mac OS X and Windows included.
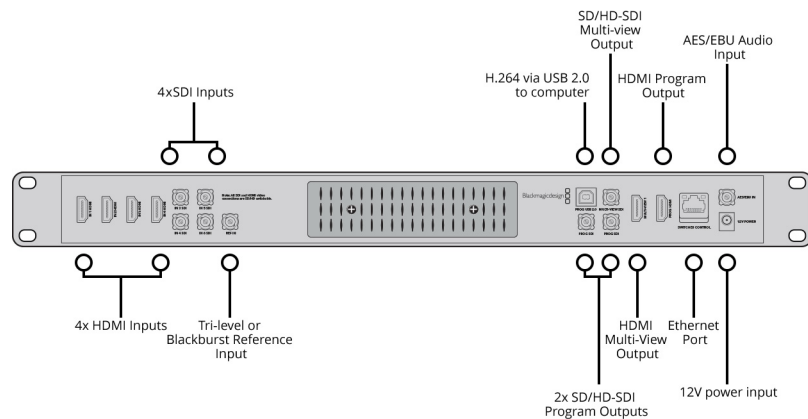
Qty of Multi-Views
1

Outputs per Multi-View
1 x HD-SDI and 1 x HDMI

Control Panel Connection
Ethernet supports 10/100/1000 BaseT. Allows direct connection between panel and chassis, or via network.

Diagram labels (top, left to right): 4xSDI Inputs · H.264 via USB 2.0 to computer · SD/HD-SDI Multi-view Output · HDMI Program Output · AES/EBU Audio Input

Diagram labels (bottom, left to right): 4x HDMI Inputs · Tri-level or Blackburst Reference Input · 2x SD/HD-SDI Program Outputs · HDMI Multi-View Output · Ethernet Port · 12V power input

Standards

SD Format Support
525/29.97 NTSC 4:3, 16:9, 625/25 PAL 4:3, 16:9

HD Format Support
720p50, 59.94
1080i50, 59.94

SDI Compliance
SMPTE 259M, 292M.

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 480 59.94Hz, 720 x 576 50Hz, 1280 x 720 59.94Hz 50Hz and 1920 x 1080 59.94Hz 50Hz.

Colorspace Conversion
Hardware based real time.

Processing Delay
1 Line

Audio Mixer
7 input x 2 channel mixer.
Selectable On/Off/Audio-Follow-Video.
Level and Peak metering.
Master gain control.

Software

Control Panel Included
ATEM Software Control Panel included free for Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later and Windows 8.1 64-bit or Windows 10 64-bit.

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 64-bit or Windows 10 64-bit.

Product Specifics

Interface
Minimum monitor resolution of
1366 x 768.

Media Players
2

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

Number of Windows
1 x 10

Routable Windows
Fixed Routing

Total Number of Layers
3

Upstream Keyers
1

Downstream Keyers
2

Linear/Luma Keyers
3

Chroma Keyers
1

Pattern Generators
2

Color Generators
2

Tally
Red for program and green for
preview indication.

Windows Source Labels
Yes

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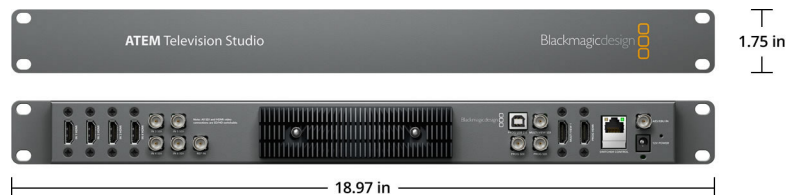Broadcast Panel.

Input Voltage
12V-30V

Power Usage
20W

Physical Specifications

ATEM Television Studio

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1.75 in

18.97 in

2.31 lbs

What's Included

ATEM Television Studio
Power Supply and international adapters
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

Blackmagic Design Authorized Reseller