

ATEM Television Studio Pro 4K



ATEM Television Studio Pro 4K features 8 independent 12G-SDI inputs, for working in all popular HD and Ultra HD formats up to 2160p60. Each input features re-sync as well as a full low latency standards converter, which means the input is automatically adapted to the switchers format. You can even have 8 inputs, all running different video formats! The upgraded Fairlight audio mixer features dynamics, 6 band parametric EQ, dual mono channel split and stereo simulator with audio delay on the analog inputs. ATEM Television Studio Pro 4K also features the ATEM Advanced Chroma Key, Ultra HD multi-view and motion clips in the media pool.

Connections

Total Video Inputs

8

Total Outputs

12

Total Aux Outputs

1

SDI Rates

1.5G, 3G, 6G, 12G.

Total Audio Inputs

2 x XLR. 1 x Microphone.

Total Audio Outputs

1 x Headphone.

SDI Video Inputs

8 x 10-bit HD/UHD switchable. 2 channel embedded audio.

HDMI Video Inputs

None

Reference Inputs

Tri-Sync or Black Burst.

Video Input Re-Sync

On all 8 inputs.

Frame rate and format convertors

On all 8 inputs.

SDI Program Outputs

9 x 10-bit HD/UHD switchable.

SDI Audio Outputs

2 Ch embedded into SDI output.

Total Multi Views

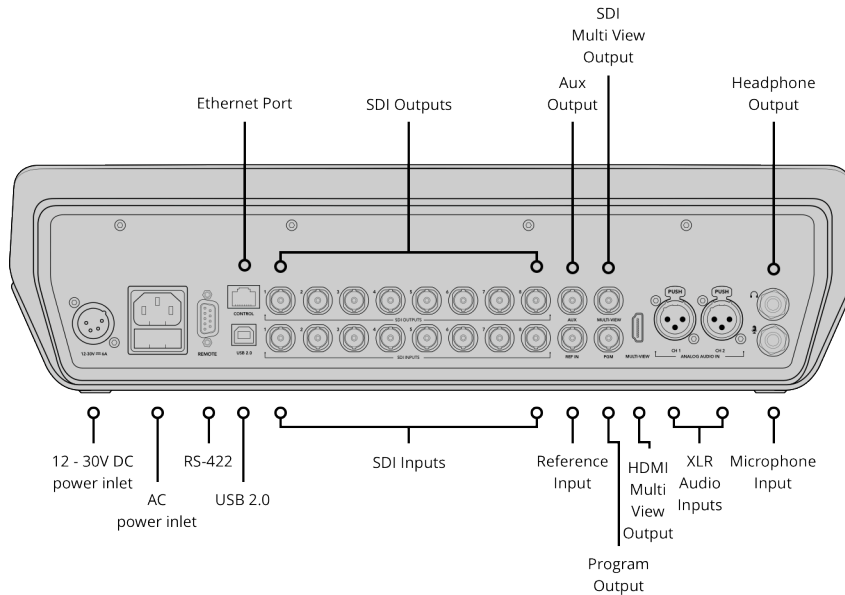
1

SDI Multi View Outputs

1

HDMI Multi View Outputs

1



Standards

SD Video Standards

None

HD Video Standards

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

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
 2160p29.97, 2160p50, 2160p59.94

SDI Compliance

292M and 424M, 2081, 2082.

Video Sampling

4:2:2 10-bit

Color Precision

4:2:2 10-bit

Color Space

4:2:2 YUV

Input Resolutions for Computers

720p50, 720p59.94
 1080p23.98, 1080p24, 1080p25,
 1080p29.97, 1080p30, 1080p50,
 1080p59.94, 1080p60
 1080i50, 1080i59.94, 2160p23.98,
 2160p24, 2160p25, 2160p29.97,
 2160p30, 2160p50,
 2160p59.94, 2160p60.

Colorspace Conversion

None

Processing Delay

6 Lines.

Audio Mixer

12 input x 2 channel mixer.
 Selectable On/Off/Audio-Follow-Video per channel plus separate gain control per channel.
 Level and Peak metering. Plus new Fairlight audio enhancements: Compressor, Gate, Limiter, 6 bands of parametric EQ. Delay line and Stereo Synthesizer on the XLR inputs only.
 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 8 camera PGM outputs.

Transition Keyer (Stinger/DVE)

Stinger and DVE.

Total Number of Layers

5

Pattern Generators

2

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

Multi View Monitoring

Multi View Monitoring 1 x 10 Views.	Multi View Video Standard HD/Ultra HD.	
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Media Player

Media Players 2, with non volatile flash memory.	Media Pool Clip Capacity 2 with fill and key. Shared pool.	Media Player Clip Length in Ultra HD 90 frames.
Media Pool Still Image Capacity 20 with fill and key.	Media Pool Clip File Format TGA Sequence.	Media Pool Audio File Format WAV, MP3 and AIFF.
Media Pool Still Image Format PNG, TGA, BMP, GIF, JPEG and TIFF.	Media Player Clip Length in 720 HD 1440 frames.	
Channels Fill and key for each Media Player.	Media Player Clip Length in 1080 HD 360 frames.	

Control

Control Panel Built in with camera control. Software panel included. Supports optional broadcast panel.	Control Panel Compatibility 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.	Control Panel Included ATEM Software Control Panel included free for Mac 10.12 Sierra or Mac 10.13 High Sierra or later and Windows 8.1 64-bit or Windows 10 64-bit.
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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.

Power Requirements

Power Supply

1 x Internal 100 - 240V AC. 4 pin
12V DC.

Power Usage

70W

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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