

# ATEM Production Studio 4K

ATEM Production Studio 4K lets you connect up to 8 SD, HD or Ultra HD 4K video cameras, disk recorders and computers to do true broadcast quality work. You get all the features you expect from a professional switcher including chroma key, transitions, media pool, downstream keyers, audio mixer, multi view and the world's first 6G-SDI and HDMI 4K video connections.

\$1,695

## Connections

**Total Video Inputs** 8

**Total Video Outputs** 6

**SDI Rates** 270Mb, 1.5G, 3G, 6G.

**Total Audio Inputs** 2 x XLR. 2 x RCA.

**Total Audio Outputs** 2 x XLR Program.

Timecode Connection

SDI Video Inputs 4 x 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio. HDMI Video Inputs 4 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.

**SDI Audio Outputs** 2 channel embedded into SDI output.

**Reference Input** Tri-Sync or Black Burst.

Video Input Re-Sync On all 8 inputs.

**SDI Program Outputs** 1 x 10-bit SD/HD/Ultra HD 4K switchable.

HDMI Program Outputs 1 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable. Down Converted SDI Program Outputs 1 x 10-bit HD (Ultra HD 4K to HD).

SDI Aux. Output

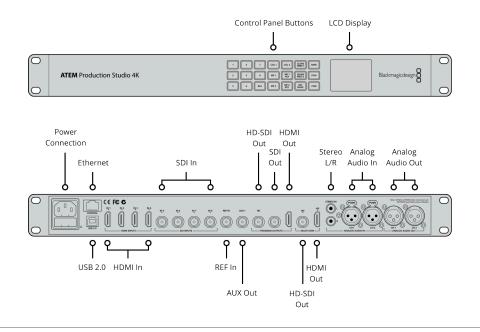
1

Total Multi Views

**SDI Multi View Outputs** 

HDMI Multi View Outputs

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



#### Standards

#### SD Video Standards

525i59.94 NTSC, 625i50 PAL

#### **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

#### **SDI Compliance**

SMPTE 259M, SMPTE 292M, SMPTE 424M.

#### Video Sampling 4:2:2

**Color Precision** 10-bit

**Color Space** REC 601, REC 709

## **HDMI Input Resolutions**

#### for Computers

720 x 480i 59.97Hz, 720 x 576i 50Hz, 1280 x 720 59.94Hz, 1280 x 720 50Hz and 1920 x 1080 59.94Hz, 1920 x 1080 50Hz, 3840 x 2160 23.98Hz, 3840 x 2160 24Hz, 3840 x 2160 25Hz, 3840 x 2160 29.97Hz.

#### **Colorspace Conversion**

Hardware based real time.

## **Processing Delay**

1 Line.

#### Audio Mixer

10 input x 2 channel mixer. Selectable On/Off/Audio-Follow-Video. Level and Peak metering. Master gain control. Analog outputs may be used for separate monitoring.

#### 4K to HD Down Conversion

Yes, program x 1.

## **Product Specifics**

<b>Upstream Keyers</b>	<b>Talkback Support</b>
1 with Chroma/Linear/Luma key.	None
<b>Downstream Keyers</b>	<b>Mix Minus Suppor</b>
2	None
Chroma Keyers	Linear/Luma Keye

1

**/**lix Minus Support

inear/Luma Keyers 3

Transition Keyer (Stinger/DVE) None **Total Number of Layers** 4

**Pattern Generators** 3

Color Generators	Display interface	Tally
2	Minimum monitor resolution of	Red for program and green for
DVE with 3D Borders & Drop	1366 x 768.	preview indication.
Shadow	Number of Windows	Windows Source Labels
None	1 x 10	Yes
	Routable Windows	Control Panel
	8	Software or optional hardware panel
Media Player		
Media Players	Media Player Clip Length in 1080 HD	Media Pool Audio File Format
2	None	None.
Media Pool Still Image Capacity 20 with fill and key.	<b>Media Player Clip Length in Ultra HD</b> None	<b>Channels</b> Fill and key for each Media Player.
<b>Media Pool Clip Capacity</b> None	Media Pool Still Image Format PNG, TGA, BMP, GIF, JPEG and TIFF.	
Media Player Clip Length in 720 HD None	<b>Media Pool Video File Format</b> None.	
Multi View Monitoring		
<b>Multi View Monitoring</b> 1 x 10 Views.	<b>Multi View Video Standard</b> HD.	
Display		
Interface	Front Panel	
Minimum monitor resolution of 1366 x 768.	Built in LCD monitor for video and 42 LED buttons for Aux switching.	
Software		
Control Panel Included	Tally Output	Configuration
ATEM Software Control Panel	Added via Ethernet connection to	Set via ATEM Software Control Panel
included free for Mac 10.10 Yosemite, Mac 10.11 El Capitan or later and	Blackmagic Design GPI and Tally Interface product. (Not included.)	excluding ATEM chassis IP address which is set via the ATEM Setup Utilit
Windows 8.1 64-bit or Windows 10		connected via USB to chassis.
64-bit.	Software Updates	
	Using USB connection directly connected to Mac or Windows	
	connected to Mac or Windows computers. Includes ATEM	
	Contract Little .	

Setup Utility

## 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.			

Power Usage

## **Physical Specifications**



## **Environmental Specifications**

Operating Temperature

 $0^\circ$  to  $40^\circ$  C (32° to 104° F)

**Storage Temperature** -20° to 60° C (-4° to 140° F) **Relative Humidity** 0% to 95% non-condensing

## What's Included

ATEM Production Studio 4K SD card with software and manual

#### Warranty

12 Month 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

All items on this website are copyright Blackmagic Design Pty. Ltd. 2020, all rights reserved. All trademarks are property of their respective owners. MSRP includes duties, but excludes sales tax and shipping costs. This website uses remarketing services to advertise on third party websites to previous visitors to our site. You can opt out at any time by changing cookie settings. <u>Privacy Policy</u>

Blackmagic Design Authorized Reseller