

Blackmagic Design ATEM Production Studio 4K



Blackmagic Design ATEM Production Studio 4K pozwala na podłączenie do 8 kamer video SD, HD lub Ultra HD 4K, nagrywarek dyskowych i komputerów w broadcastowej jakości. Jest to narzędzie oferujące wszystkie funkcje profesjonalnego switchera, w tym chroma key, transitions, media pool, downstream keyers, audio mixer, multi view i pierwsza na świecie możliwość połączenia video 6G-SDI i HDMI 4K.

Connections

Total Video Input:	8
Total Video Output:	6
SDI Video Input:	4 x 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.
HDMI Video Input:	4 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.
Analog Audio Output:	2 x XLR
SDI Audio Output:	2 Ch embedded into SDI output.
Audio Input:	2 x XLR. 2 x RCA.
Sync Input:	Tri-Sync or Blackburst

Internal Frame Synchronizers:	8. All inputs.
SDI Program Output:	1 x 10-bit SD/HD/Ultra HD 4K switchable.
HDMI Program Output:	1 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable.
Down Converted SDI Program Output:	1 x 10-bit HD (Ultra HD 4K to HD)
SDI Aux. Output:	1
Quantity 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.
Video Standards	
SD Format Support:	625/25 PAL 4:3 and 16:9, 525/29.97 NTSC 4:3 and 16:9
HD Format Support:	1080i50, 1080i59.94, 720p50, 720p59.94.
Ultra HD 4K:	3840x2160p23.98, 3840x2160p24, 3840x2160p25, 3840x2160p29.97, 3840x2160p30
SDI Compliance:	SMPTE 259M, 292M.
Video Sampling:	4:2:2
Color Precision:	10-bit
Color Space:	REC 601, REC 709
HDMI Input Resolutions for Computers:	720 x 480 59.94Hz, 720 x 576 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:	1
Software	
Control Panel Included:	ATEM Software Control Panel included free.
Serial Communication Output:	None

Tally Output:	Added via Ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included.)
GPI:	Added via Ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included.)
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:	<ul style="list-style-type: none"> • Mac OS X 10.7 Lion or later, and Mac OS X 10.8 Mountain Lion or later. • Windows 7 64-bit or Windows 8 32-bit or 64-bit.

Product Specifics

Total Number of Layers:	4
Upstream Keyers:	1
Downstream Keyers:	2
Linear/Luma Keyers:	3
Chroma Keyers:	1
Pattern Generators:	2
Color Generators:	2
Display 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:	8
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.
Power Requirements	
Redundant Power:	None
Input Voltage:	110-240VAC

Power Usage: 60W

Environmental Specifications

Operating Temperature: 0-40 degrees celsius

Storage Temperature: -20 - 60 degrees celsius

Relative Humidity: Up to 95%

Dimensions:

Width: 482 mm

Height: 44 mm

Length: 127 mm

Weight: 1.7 kg

Others:

What's Included:

- ATEM Production Studio 4K
- Software CD