ATEM 1 M/E PRODUCTION STUDIO 4K

The advanced ATEM 1 M/E Production Studio 4K model switches between SD, HD or Ultra HD video standards so you can connect a wide range of video sources such as cameras, disk recorders and computers. Featuring 10 inputs, chroma keys, transitions, media pool, 4 upstream keyers, downstream keyers, audio mixer, multi view, full motion DVE, stinger transitions, large media pool with full motion clips and 3 auxiliary outputs!

Cena:

Kategorie: Video, Produkcja, Miksery wizyjne, Broadcast, Miksery wizyjne



OPIS

Connections

Total Video Inputs

11 with 10 active.

Total Video Outputs

10

Total Aux Outputs

3

SDI Rates

270Mb, 1.5G, 3G, 6G

Total Audio Inputs

2 x XLR. 2 x RCA.

Total Audio Outputs

2 x XLR Program.

Timecode Connections

None

Reference Input

Tri-Sync or Black Burst.

Video Input Re-Sync

On all 10 inputs.

SDI Video Inputs

10 x 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.

HDMI Video Input

1 x HDMI type A. 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.

Analog Audio Outputs

2 x XLR.

SDI Audio Outputs

2 Ch embedded into SDI output on all outputs.

SDI Program Outputs

2 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 Output

1 x 10-bit (Ultra HD 4K to HD)

SDI Preview Output

1 x 10-bit SD/HD/Ultra HD 4K switchable.

Total Multi Views

1

SDI Multi View Outputs

1

HDMI Multi View Outputs

1

Control Panel Connection

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

Tally Output

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

Computer Interface

1 x USB 2.0 port.

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, REC 2020.

HDMI Input Resolutions for Computers

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

Product Specifics

Upstream Keyers

4 with Chroma/Linear/Luma key.

Downstream Keyers

2

Talkback Support

None

Mix Minus Support

None

Chroma Keyers

4

Linear/Luma Keyers

7

Transition Keyer (Stinger/DVE)

1 Stinger, 1 DVE.

Total Number of Layers

8

Pattern Generators

7

Color Generators

2

DVE with 3D Borders & Drop Shadow

1

Control Panel Compatibility

ATEM 1 M/E Broadcast Panel preferred.
Compatible with ATEM 2 M/E Broadcast Panel. Includes ATEM Software Control Panel.

Media Player

Media Players

2

Channels

Fill and key for each Media Player.

Media Pool Still Image Capacity

32 with fill and key.

Media Pool Clip Capacity

2 with fill and key.

Media Player Clip Length in 720 HD

1600 frames.

Media Player Clip Length in 1080 HD

720 frames.

Media Player Clip Length in Ultra HD

180 frames

Maximum Clip Length in NTSC/PAL

3600 frames.

Media Pool Still Image Format

PNG, TGA, BMP, GIF, JPEG and TIFF.

Media Pool Video File Format

TGA Sequence.

Media Pool Audio File Format

WAV, MP3 and AIFF.

Multi View Monitoring

Multi View Monitoring

1 x 10 views.

Routable Windows

8

Tally

Red for program and green for preview indication.

Windows Source Labels

Yes

Multi View Video Standard

HD

Display

Interface

Minimum monitor resolution of 1366 x 768.

Front Panel

Built in LCD monitor for video
and 42 LED buttons for Aux switching.

Processing

Colorspace Conversion

Hardware based real time.

Processing Delay

< 2 Lines.

Audio Mixer

12 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.

Software

Control Panel Included

ATEM Software Control Panel included free for
Mac 10.12 Sierra, Mac 10.13 High Sierra or later and Windows 8.1 64-bit or Windows 10 64-bit.

Software Updates

Using USB 2.0 connection directly connected
to Mac OS 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.

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.

Physical Specifications

Physical Installation

Physical Installation

1 Rack Unit Size.

Environmental Specifications

Operating Temperature

0° to 40° C (32° to 104° F)

Storage Temperature

-20° to 60° C (-4° to 140° F)

Relative Humidity

0% to 90% non-condensing

What's Included

ATEM 1 M/E Production Studio 4K

SD card with software and manual

Warranty

12 month Limited Manufacturer's Warranty.