

ATEM 2 M/E Constellation 4K



ATEM 2 M/E Constellation 4K is a powerful 2 M/E Ultra HD live production switcher. It features 20 standards converted 12G-SDI inputs, 12 12G-SDI aux outputs, 2 DVEs, 8 ATEM Advanced Keyers, 2 multiviews, media players, USB webcam output and a SuperSource for a total of 6 DVEs. You even get built in talkback and a professional 48 channel Fairlight audio mixer with EQ and dynamics!

4 255 €*

Anschlüsse

Videoeingänge insgesamt

20

Videoausgänge insgesamt

12

SDI-Raten

1.5G, 3G, 6G, 12G

Audioeingänge insgesamt

2 x balanced 1/4 inch Jack,
1 x 5 pin XLR Talkback.

Audioausgänge insgesamt

1 x 5 pin XLR Talkback.

SDI-Audioeingänge

16 Ch embedded audio on all
SDI inputs.

SDI-Audioausgänge

16 Ch embedded audio on all
SDI outputs.

Timecode-Anschlüsse

Keine

Referenzeingänge

Tri-Sync or Black Burst.

Videoeingänge mit Resync

On all 20 inputs.

Frameraten- und Formatwandler

On all 20 inputs.

SDI Aux Outputs

Any of the 12 SDI outputs.

SDI Preview Outputs

Any of the 12 SDI outputs.

SDI Program Outputs

Any of the 12 SDI outputs.

Down Converted SDI

Program Output

1

Webcam-Ausgabe

1 x USB-C supporting 720p or 1080p
at PGM frame rate.

Total Multi Views

2 x 12G-SDI

Bedienpultanschluss

Ethernet. Direct connection between
panel and chassis, or via network.

Internal Timecode Generator

Yes

Talkback

RJ45 for 3rd party talkback systems.

Tally Output

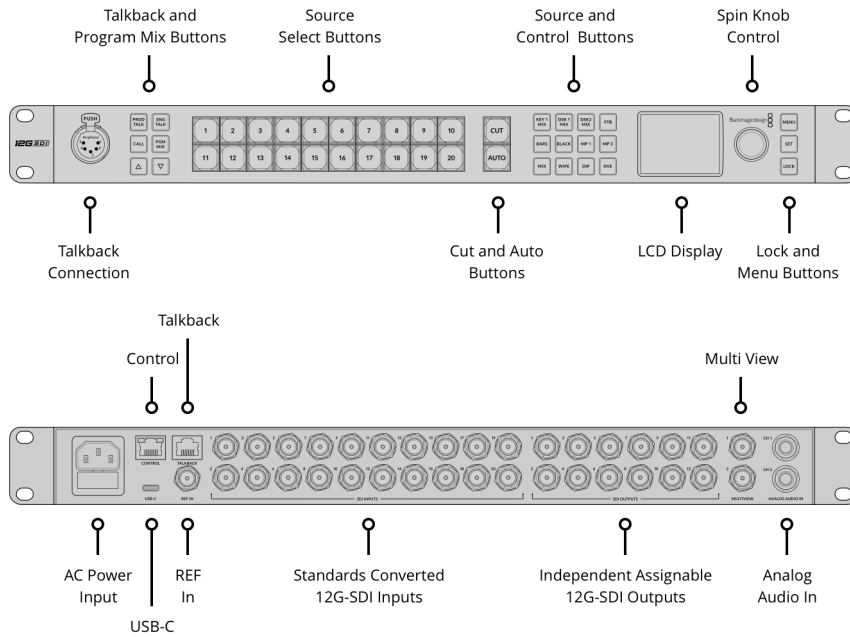
Added via ethernet connection to
Blackmagic Design GPI and Tally
Interface product. (Not included).

Ethernet

Supports 10/100/1000 BASE-T.

Computer-Schnittstelle

1 x USB-C supports USB 2.0



Normen

SD-Videonormen

Keine

HD-Videonormen

720p/50; 720p/59,94; 720p/60
 1080i/50; 1080i/59,94; 1080i/60
 1080p/23,98; 1080p/24; 1080p/25;
 1080p/29,97; 1080p/30,
 1080p/50; 1080p/59,94; 1080p/60

Ultra-HD-Videonormen

2160p/23,98; 2160p/24; 2160p/25;
 2160p/29,97
 2160p/30; 2160p/50; 2160p/59,94;
 2160p/60

SDI-Konformität

SMPTE 292M, SMPTE 296M,
 SMPTE 424M, SMPTE 425M level A
 and B. SMPTE 2081-1,
 SMPTE 2081-10, SMPTE 2082-1 and
 SMPTE 2082-10.

Videoabtastfrequenz

4:2:2

Farbgenauigkeit

10-bit.

Farbräume

REC 709, REC 2020

Automatische SDI-Umschaltung

Automatically detects between
 1.5G-SDI, level A or level B 3G-SDI,
 6G-SDI and 12G-SDI.

Merkmale

Upstream-Keyer

8

Downstream-Keyer

2

Advanced Chroma Keyer

8

SuperSource

1

DVEs

2

Linear/Luma-Keyer

11

Transition Keyer (Stinger/DVE)

2 Stinger, 2 DVE.

Gesamtanzahl der Ebenen

15

Mustergeneratoren

11

Farbgeneratoren

2

Bedienpult bzw. -panel

Front fascia emergency switching,
 software or optional hardware panel.

Routable Windows

32

Windows Source Labels Yes	Tally Red for program and green for preview indication.	Talkback Support Yes
		Mix Minus Support Yes

Multiview-Monitoring

Multiview-Monitoring 2 x multi view configurable to 16, 13, 10, 7 or 4 up views. Includes monitoring of Program, Preview, Inputs, Media Players, Key Masks, Clean Feed with optional labels and audio meters.	Multiview-Videonorm HD or Ultra HD
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Media Player

Media Player 2	Media Player Clip Length in 720 HD 3200 frames.	Media Pool Video File Format TGA Sequence.
Kanäle Fill and key for each media player.	Media Player Clip Length in 1080 HD 1600 frames.	Media Pool Audio File Format WAV, MP3 and AIFF.
Media Pool Kapazität für Standbilder 40	Media Player Clip Length in 2160 UHD 400 frames.	
Media Pool Clip Capacity 2 x up to 2160p60.	Media Pool Standbildformate PNG, TGA, BMP, GIF, JPEG and TIFF.	

Bildschirme

Front panel Built in 2.2 inch LCD monitor for video, 22 LED buttons for setup and emergency switching, 8 source buttons, 4 transition buttons, 6 talkback selection and mix buttons, menu control knob and set button, front panel lock button.

Verarbeitung

Processing Delay < 10 lines.
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Audiomixer

48 Channel mixer
Selectable On/Off/Audio-Follow-Video.
Level and Peak metering.
Master gain control.
6 band parametric EQ, Dynamics including Expander, Gate, Compressor and Limiter.

Down Conversion

1 x selectable HD down converted output

Software

Bediensoftware inbegriffen

ATEM Software Control included free for Mac 13.0 Ventura, Mac 14.0 Sonoma or later and Windows 10 or 11.

Softwareupdates

Using USB or Ethernet connection directly connected to Mac OS or Windows computers. Includes ATEM Setup Utility.

Konfiguration

Set via ATEM Software Control Panel, excluding ATEM chassis IP address which is set via the ATEM Setup Utility connected via USB to chassis.

Betriebssysteme



Mac 13.0 Ventura,
Mac 14.0 Sonoma oder höher



Windows 10 und 11

Strombedarf

Stromversorgung

1 x Internal 100 - 240 AC.

Energieverbrauch

140 W

Physische Spezifikationen



Physische Installation

Physische Installation

1 Rack Unit Size.

Umgebung

Betriebstemperatur

0° to 40° C (32° to 104° F)

Lagerungstemperatur

-20° to 60° C (-4° to 140° F)

Relative Luftfeuchtigkeit

0% to 90% non-condensing

Im Lieferumfang enthalten

ATEM 2 M/E Constellation 4K

Startermappe mit QR-Code zum Download der Software

Garantie

12 Month Limited Manufacturer's Warranty.

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