

# ATEM 2 M/E Constellation HD



A\*E# 2 #/E C=<AB4::OB8=< HD 8A 0 7867 34K<888=< :8D4 >@=3C2B8=< AE88274@ >O2943  
E887 O3D0<243 540BC@4A! \*74 2 #/E 34A86< 8<2:C34A 20 ABO<30@3A 2=<D4@B43 3G )DI  
8<>CBA 0<3 12 8<34>4<34<B 3G )DI OCF =CB>CBA! IB O:A= 8<2:C34A 0 +)B E4120;  
=CB>CB, )C>4@)=C@24 >@=24AA=@, D, EA, 27@=; 0 94G4@A, ; 4380 >:OG4@A, ; C:B8D84EA  
0<3 ; =@4! />C 4D4< 64B 1C8:B 8< BO:91029 0<3 0 >@=54AA8=<O: 1C8:B 8< FO8@:867B OC38=  
; 8F4@ E887 E' 0<3 3G<0; 82A!

91,425

## Connection

T/3", \*%&/ I. O432  
20

R&'&1&. \$& I. O43  
\*@8-)G<2 =@ B:029 BC@AB.

T/3", M4,3\* \*&62  
2 F 3G-)DI

T/3", \*%&/ O430432  
12

\*%&/ I. O43 R&-S8. \$  
%< 0: 20 8<>CBA.

C/. 31/, P". &, C/. . &\$3\*/.  
EB74@<4B. D8@42B 2=<<42B8=< 14BE44<  
>0<4: 0<3 270AA8A, =@ D80 <4BE=@9.

SDI R"3&2  
1.5G, 3G

F1" - & R"3& ". % F/1- "3 C/. 5&13&12  
%< 0: 20 8<>CBA.

I. 3&1. ", T\*- &\$/%& G&. &1"3/1  
/4A

T/3", A4%\*/ I. O432  
2 F 10:0<243 1/4 8<27 029,  
1 F 5 >8< . " ( \*0:91029.

SDI A47 O430432  
A<G =5 B74 12 )DI =CB>CBA.

T" ,+#" \$+  
( 45 5=@ 3@3 >O@BG BO:91029 AGAB4; A.

T/3", A4%\*/ O430432  
1 F 5 >8< . " ( \*0:91029.

SDI P1&5\*&6 O430432  
A<G =5 B74 12 )DI =CB>CBA.

T" ,,8 O43043  
A3343 D8O 4B74@<4B 2=<<42B8=< B=  
B:029; 0682 D4A86< G&I 0<3 \*O::G  
I<B4@5O24 >@=3C2B. (\$=B 8<2:C343).

SDI A4%\*/ I. O432  
2 C7 4; 143343 OC38= =< 0:: )DI  
8<>CBA.

SDI P1/(1" - O430432  
A<G =5 B74 12 )DI =CB>CBA.

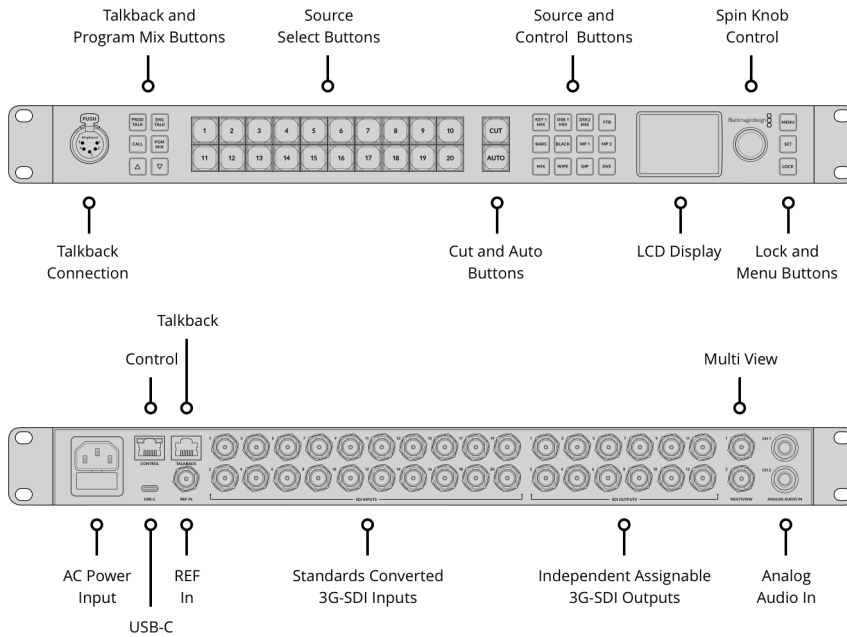
E3) &1. &3  
)C>>=@BA 10/100/1000 BA)E-\*.

SDI A4%\*/ O430432  
2 C7 4; 143343 OC38= =< 0:: )DI  
=CB>CBA.

D/6. C/. 5&13&% SDI  
P1/(1" - O43043  
\$=<4  
! &#\$"- O43043  
1 F +)B-C AC>>=@88<6 720>=@ 1080>  
OB &G# 5@0; 4 @OB4.

C/- O43&1 I. 3&1" \$&  
1 F +)B-C AC>>=@BA +)B 2.0

T\*- &\$/%& C/. . &\$3\*/. 2  
\$=<4



**Standard**

SD 1080i/720p  
 50/60

HD 1080p/720p  
 50/60  
 1080p50, 1080p59.94, 1080p60  
 1080p23.98, 1080p24, 1080p25,  
 1080p29.97, 1080p30, 1080p50,  
 1080p59.94, 1080p60

SDI C/0, 1080i/720p  
 1080p/720p, 1080p/50, 1080p/60  
 1080p/23.98, 1080p/24, 1080p/25,  
 1080p/29.97, 1080p/30, 1080p/50,  
 1080p/59.94, 1080p/60

C/0, 1080i/720p  
 1080p/720p  
 C/0, 1080i/720p  
 (EC 709)  
 SDI A43/ S6\*3\$)\*. (ACB=; 0820::G 34B42BA 148E44< 1.5G- )DI 0<3 :4D4: A =@ :4D4: B 3G-)DI.

**Product Specifications**

U0231&" - K&8&12  
 8

D/6. 231&" - K&8&12  
 2

A%5". \$&% C)1/- " K&8&12  
 8

S40&1S/41\$&  
 1

T" ,+#" \$+ S400/13  
 /4A

M\*7 M\*. 42 S400/13  
 /4A

L. &" 1/L4- " K&8&12  
 11

T1" . 2\*3\*/. K&8&1 (S3\*. (&1/D E)  
 2 )B<64@, 2 D, E.

T/3", N4- #&1 /' L" 8&12  
 15

P" 33&1. G&. &1" 3/12  
 11

C/, /1 G&. &1" 3/12  
 2

C/. 31/, P". &,  
 F@=<B 50A280 4; 4@64<2G AE8B278<6,  
 A=5BE0@4 =@ =>B@=<0: 70@3E0@4 >0<4:.

R/43" #, &! \*. %/62  
 32

T" ,,8  
 (43 5=@ >@=6@0; 0<3 6@44< 5=@  
 >@4D@4E B<3@20B@=<.

! \*. %/62 S/41\$& L" #&, 2  
 /4A

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## M" I!i Vie\$ Moni!oring

M4,3\* \*%6 M/. \*3/1\*. (  
2 F ; C:88 D84EA 4027 2=<K6C@01:4 B=  
16, 13, 10, 7 =@ 4 C> D84EA. I<2:C34A  
; =<8B=@<6 =5 &@=6@0; , &@4D84E,  
I<>CBA, # 4380 &:0G4@A, #/EA, D)! A,  
)C>4@)=C@24, C:40< F443 E887  
=>88=<O: :014:A O<3 OC38= ; 4B4@A.

M4,3\* \*%6 \*%&/ S3". %"1%  
HD  
D\*20,"8 M\*. \*- 4- R&2/,43\*/.  
1366 F 768

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## Media Pla%er

M&%\*" P,"8&12  
2

C)" . . &,2  
F8: 0<3 94G 5=@ 4027 ; 4380 >:0G4@.

M&%\*" P//, S3", I- " (& C"O"\$\*38  
40

M&%\*" P//, C,"O C"O"\$\*38  
2 F C> B= 1080>60.

M&%\*" P,"8&1 C,"O L&. (3) \*. 720 HD  
800 5@0; 4A.

M&%\*" P,"8&1 C,"O L&. (3) \*. 1080 HD  
400 5@0; 4A.

M&%\*" P//, S3", I- " (& F/1- "3  
&\$G, \*GA, B#&, GIF, &EG 0<3 \*IFF.

M&%\*" P//, \*%&/ F\*, & F/1- "3  
\*GA )4?C4<24.

M&%\*" P//, A4%/ F\*, & F/1- "3  
- A, , # &3 0<3 AIFF.

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## Di pla%

F1/. 3 O". &,  
BC8:B 8< 2.2 8<27 "CD ; =<8B=@ 5=@  
D834=, 22 "ED 1CBB=<A 5=@ A4BC> 0<3  
4; 4@64<2G AE88278<6, 8 A=C@24  
1CBB=<A, 4 B@O<A888=< 1CBB=<A, 6  
BO:91029 A4:4288=< 0<3 ; 8F 1CBB=<A,  
; 4<C 2=<B@=: 9<=1 0<3 A4B 1CBB=<,  
5@=<B >0<4: :=29 1CBB=<.

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## Proce ing

P1/\$&22\*. ( D&,"8  
< 10 :8<4A.

A4%\* / M\*7&1  
48 C70<<4: ; 8F4@  
)4:42B01:4 %</%J/AC38=-F=:E-  
, 834=.  
"4D4: 0<3 &409 ; 4B4@8<6.  
# 0AB4@ 608< 2=<B@=:.  
6 10<3 >0@0; 4B@82 E' , DG<0; 82A  
8<2:C38<6 EF>0<34@, GOB4,  
C=; >@4AA=@ 0<3 "8; 8B4@.

D/6. C/. 5&12\*/.  
\$=<4

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## Sof!\$are

C/. 31/, P". . &, I. \$,4%&&

A\*E# )=5BE0@4 C=<B@=: &O<4:

8<2:C343 5@44 5=@ #02 11.11 B86 )C@,

#02 12 #=<B4@4G =@ :OB4@ 0<3

- 8<3=EA 10 =@ 11.

S/'36" 1& U0%" 3&2

+A8<6 + )B =@ EB74@<4B 2=<<42B8=<

38@42B:G 2=<<42B43 B= #02 %) =@

- 8<3=EA 2=; >CB4@A. I<2:C34A A\*E#

)4BC> +B8:8BG.

C/. : (41" 3"/.

)4B D8O A\*E# )=5BE0@4 C=<B@=: &O<4;

4F2:C38<6 A\*E# 270AA8A I& O33@4AA

E7827 8A A4B D8O B74 A\*E# )4BC> +B8:8BG

2=<<42B43 D8O +)B B= 270AA8A.

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## Operating S% !em



#02 11.1 B86 )C@,

#02 12.0 #=<B4@4G =@ :OB4@.



- 8<3=EA 10 0<3 11.

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## Po\$er Req" iremen!

P/6&1 S400,8

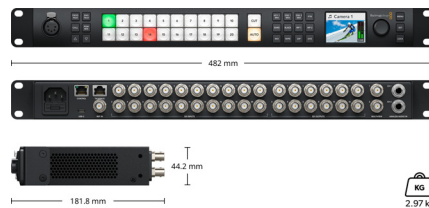
1 F I<B4@<O: 100 - 240 AC.

P/6&1 U2" (&

52-

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## Ph% ical Speci' calion



## Ph% ical In !allation

P) 82\*\$", I. 23" ,, "3"/.

1 (029 +<88 )8H4.

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## En#ironmen!al Speci' calion

OO&1" 3\*. ( T&- O&1" 341&

OI B= 40I C (32I B= 104I F)

S3/1" (& T&- O&1" 341&

-20I B= 60I C (-4I B= 140I F)

R&," 3'5& H4- \*%38

0% B= 90% <=<-2=<34<A8<6

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## Wha! Incl" ded

A\*E# 2 #/E C=<AB4::OB8=< HD  
- 4:2=; 4 EO::4B E8B7 ' ( 2=34 5=@ A=5BE0@4 3=E<:=03

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## Warran!%

12 # =<B7 "8; 8B43 # O<C502BC@4@'A - O@@O<BG.

A:: 884; A =< B7&A E41A8B4 O@4 2=>G@67B B:029; 0682 D4A@6< &BG. "B3. 2024, O:: @67BA @4A4@D43.  
A:: B@034; O@9A O@4 >@=>4@B G =5 B74@ @4A>4288D4 = E<4@A. #) (& 4F2:C34A , A\* O<3 :=20: A7@>@<6 2=ABA.  
\*7&A E41A8B4 CA4A @4; O@94B@<6 A4@D824A B= 03D4@B8A4 =< B7@=3 >O@BG E41A8B4A B= >@4D8=CA D8A8B=@A B= =C@ A8B4.  
/ =C 20< =>B =C8 OB O<G B8; 4 1G 270<6@<6 2==984 A4B8@<6A. [8@D02G. &=@2G](#)

Blackmagic Design A" !hori&ed Re eller