





Blackmagic Design Product Comparison ATEM chart (8 to 40 Inputs)

Image				
Product Name	ATEM 1 M/E Constellation HD	ATEM 2 M/E Constellation HD	ATEM 4 M/E Constellation HD	ATEM Constellation 8K
Max Resolution/Framerate	1080p60	1080p60	1080p60	2160p59.94   4320p59.94
Total Inputs	10	20	40	40   10
SDI In	10	20	40	40   10
HDMI In	-	-	-	-   -
Total Outputs	6	14	-	28   7
HDMI out	-	-	-	-   -
-Multiview HDMI Out	-	-	-	-   -
-Program HDMI Out	-	-	-	-   -
SDI Out	7	14	28	28   7
-Multiview SDI Out	1	2	4	4   1
-Program SDI Out	YES*	YES*	YES*	-   -
-Preview Out	YES*	YES*	YES*	-   -
-Auxiliary Out	6	12	24	24   6
Audio In	2 Ch embedded audio on all SDI inputs 2 x balanced 1/4 inch Jack	2 Ch embedded audio on all SDI inputs 2 x balanced 1/4 inch Jack	2 Ch embedded audio on all SDI inputs 2 x balanced 1/4 inch Jack, 1 x 32 stereo channel BNC MADI in	2 Ch embedded audio on all SDI inputs 2 x balanced 1/4 inch Jack, 1 x 32 stereo channel BNC MADI in
Audio Out	2 Ch embedded audio on all SDI outputs	2 Ch embedded audio on all SDI outputs	2 Ch embedded audio on all SDI outputs 2 x balanced 1/4 inch Jack, 2 x 32 stereo channel BNC MADI in	2 Ch embedded into SDI output on all outputs 2 x balanced 1/4 inch Jack 2 x 32 stereo channel BNC MADI out
Frame Rate and Format Converter on all inputs	YES	YES	YES	YES
Down Converted SDI Program Output	No	No	No	No
Talkback	1 x 5 pin XLR Talkback	1 x 5 pin XLR Talkback	1 x 5 pin XLR Talkback	1 x 5 pin XLR Talkback
Webcam Output	1 x USB-C supporting 720p or 1080p at PGM frame rate	1 x USB-C supporting 720p or 1080p at PGM frame rate	1 x USB-C supporting 720p or 1080p at PGM frame rate	no
Streaming Encoder Built-in	no	no	no	No
Upstream Keyers	4	8	16	16   4
Downstream Keyers	1	2	4	4   2
Chroma Keyer	4	8	16	16   4
SuperSource	no	1	2	2
DVE	1	2	4	4   1
Total Number of Layers	7	15	28	28   7
Media Players	2	2	4	4   1
Clip Store	2	2	4	4   2
Still Store	20	60	60	64   24
Video Input/output Standards	SD Video Standards None  HD Video Standards 720p50, 720p59.94, 720p60 1080i50, 1080i59.94, 1080i60 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60	SD Video Standards None  HD Video Standards 720p50, 720p59.94, 720p60 1080i50, 1080i59.94, 1080i60 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60	D Video Standards None  HD Video Standards 720p50, 720p59.94, 720p60 1080i50, 1080i59.94, 1080i60 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60	SD Video Standards None  HD Video Standards 720p50, 720p59.94 1080i50, 1080i59.94 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p50, 1080p59.94  Ultra HD Video Standards 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p50, 2160p59.94

\* Dapat dipilih 1 sistem dalam setiap port nya

\*\* Dapat dipilih/ganti disistem saat ingin mengaktifkannya