

TESSERA LED PROCESSORS - 2021 Comparison Table

This document is intended to provide an overview of major features and differences between Brompton Technology LED processors. For more detailed information please visit www.bromptontech.com or contact support@bromptontech.com

VIDEO INPUTS	S8	SX40	S4	T1	M2
SDI Inputs DVI/HDMI Inputs	1 X 12G-SDI 1 X HDMI 2.0	1 X 12G-SDI 1 X HDMI 2.0	None 1 X DVI	None 1 X DVI	2 X 3G-SDI 1 X DVI
VIDEO OUTPUTS					
Output Ports Output Port Type Fibre Outputs Closed Loop Redundancy Processor Redundancy	8 1G Ethernet None Yes No	4 XD (10G/1G) Yes (to XD) Yes Yes	4 1G Ethernet None Yes No	1 1G Ethernet None None No	4 1G Ethernet None Yes No
CAPACITY					
Nominal Pixel Capacity Default Canvas Size Non-Standard Canvas Size Support Maximum Number Of Panels/Fixtures	4.5 Million 4096X2160 Yes 2000	9 Million 4096X2160 Yes 2000	2.1 Million 1920X1080 Yes 2000	0.5 Million 1920X1080 Yes 500	2.1 Million 1920X1080 Yes 2000
VIDEO PROCESSING					
SD-/HD-SDI Deinterlacing Region Of Interest Output Scaling	No No Yes	No No Yes	No No No	No Yes Yes	Yes Yes Yes
SOFTWARE FEATURES					
ChromaTune Multiple Fixture Type Support Panel Rotation Supports Sub-fixtures from 2.2.6 Frame Re-Mapping	Yes Yes 90°/180°/270° only Yes Yes	Yes Yes 90°/180°/270° only Yes Yes	No Yes 90°/180°/270° only Yes No	No Yes Any Degree Yes No	Yes Yes Any Degree Yes No
GENLOCK/LATENCY					
Genlock To Video Inputs Lock To Internal Timing Reference End-to-end Latency With All Features End-to-end Latency In Low Latency Mode	Yes Yes 2 Frames 1 Frame	Yes Yes 2 Frames 1 Frame	Yes No 2 Frames N/A	Yes Yes 3 Frames 2 Frames	Yes Yes 3 Frames 2 Frames
CONTROL					
DMX-512 /Art-Net /sACN Live Control IP Control	Yes Yes	Yes Yes	None Yes	Yes Yes	Yes Yes