

## TESSERA LED PROCESSORS - 2020 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](http://www.bromptontech.com) or contact [support@bromptontech.com](mailto: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
<b>VIDEO OUTPUTS</b>					
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
<b>CAPACITY</b>					
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
<b>VIDEO PROCESSING</b>					
SD-/HD-SDI Deinterlacing Region Of Interest Output Scaling	No No Yes	No No Yes	No No No	No Yes Yes	Yes Yes Yes
<b>SOFTWARE FEATURES</b>					
ChromaTune Multiple Fixture Type Support Panel Rotation Supports Sub-fixtures from 2.2.6	Yes Yes 90°/180°/270° only Yes	Yes Yes 90°/180°/270° only Yes	No Yes 90°/180°/270° only Yes	No Yes Any Degree Yes	Yes Yes Any Degree Yes
<b>GENLOCK/LATENCY</b>					
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 N/A	Yes Yes 2 Frames N/A	Yes No 2 Frames N/A	Yes Yes 3 Frames 2 Frames	Yes Yes 3 Frames 2 Frames
<b>CONTROL</b>					
DMX-512 / Art-Net / sACN Live Control	Yes / Yes / Yes	Yes / Yes / Yes	No / Yes / Yes	Yes / Yes / Yes	Yes / Yes / Yes