

TESSERA LED PROCESSORS - 2022 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	SX40	S8	S4	T1
SDI Inputs DVI/HDMI Inputs HDR Support Maximum supported Frame Rate	1 X 12G-SDI 1 X HDMI 2.0 PQ-HDR10, HLG HDMI: 250Hz (Maximum pixel clock of 600MHz) SDI: 60Hz	1 X 12G-SDI 1 X HDMI 2.0 PQ-HDR10, HLG HDMI: 250Hz (Maximum pixel clock of 600MHz) SDI: 60Hz	None 1 X DVI None 60Hz	None 1 X DVI None 60Hz
VIDEO OUTPUTS				
Output Ports Closed Loop Redundancy Processor Redundancy	4 x 10G Ethernet (copper or fibre to XD) Yes Yes	8 x 1G Ethernet (copper) Yes No	4 x 1G Ethernet (copper) Yes No	1 x 1G Ethernet (copper) No No
CAPACITY				
Nominal Pixel Capacity Maximum Canvas Size Non-Standard Canvas Size Support Maximum Number Of Panels/Fixtures	9 Million 4096X2160 Yes 2000	4.5 Million 4096X2160 Yes 2000	2.1 Million 1920X1080 Yes 2000	0.5 Million 1920X1080 Yes 500
VIDEO PROCESSING				
Region Of Interest (ROI) Output Scaling	No Yes	No Yes	No No	Yes Yes
SOFTWARE FEATURES				
ChromaTune Panel Rotation Supports Sub-fixtures from 2.2.6 Frame Re-Mapping ShutterSync Tracking Marker Support	Yes 90°/180°/270° only Yes Yes Yes Yes	Yes 90°/180°/270° only Yes Yes Yes Yes	No 90°/180°/270° only Yes No No No	No Any Degree Yes No No No
GENLOCK/LATENCY				
Genlock to Video Inputs End-to-end Latency With All Features End-to-end Latency In Low Latency Mode Genlock Phase Offset	Yes 2 Frames 1 Frame Yes	Yes 2 Frames 1 Frame Yes	Yes 2 Frames N/A Yes	Yes 3 Frames 2 Frames Yes
CONTROL				
DMX-512 /Art-Net /sACN Live Control IP Control	Yes Yes	Yes Yes	Yes Yes	Yes Yes