

TESSERA

NEW PRODUCT

SX40

4K LED PROCESSOR



Tessera SX40 combines Tessera's industry-leading feature set and easy-to-use software interface with our highest-ever capacity processor.



TESSERA SX40 4K LED PROCESSOR

Full 4K60 Support

HDMI 2.0 and 12G-SDI inputs with Deep Colour support and SD/HD/3G-SDI compatibility

12 bits per colour output at full capacity

4K up/down scaling and ChromaTune colour correction with lowest ever latency

4 x XD outputs with excess output capacity for cabling convenience

Compatible with all existing Tessera panel inventory, together SX40 and XD provide a powerful toolkit for easily and cost-effectively supporting the biggest LED projects.

PROCESSOR COMPARISON

| INPUTS | M2 | S4 | TI | SX40 |
|---|-------------|--------------------|-------------|--------------------|
| SDI inputs | 2 x 3G-SDI | - | - | 12G-SDI |
| DVI/HDMI inputs | DVI-I | DVI-D | DVI-D | HDMI 2.0 |
| Bi-/tri-level sync reference input | Yes | - | - | Yes |
| OUTPUTS | M2 | S4 | TI | SX40 |
| Output ports | 4 | 4 | 1 | 4 |
| Output port type | 1G | 1G | 1G | XD (10G/1G) |
| Fibre outputs | - | - | - | Yes |
| CAPACITY | M2 | S4 | TI | SX40 |
| Nominal pixel capacity | 2.1 Million | 2.1 Million | 0.5 Million | 9 Million |
| Default canvas size | 1920x1080 | 1920x1080 | 1920x1080 | 4096x2160 |
| Maximum fixture count | 2000 | 2000 | 500 | 2000 |
| FRONT-END PROCESSING | M2 | S4 | TI | SX40 |
| Front-end processing pipelines | Dual | - | Single | Single |
| HD deinterlacing | Yes | - | - | - |
| Clipping | Yes | - | Yes | - |
| Up/down scaling | Yes | - | Yes | Yes |
| Input/setting cross-fading | Yes | - | - | - |
| COLOUR PROCESSING | M2 | S4 | TI | SX40 |
| Input colour processing | Yes | Yes | Yes | Yes |
| Global + per-fixture colour processing | Yes | Yes | Yes | Yes |
| On-Screen Colour Adjustment (OSCA) | Yes | Yes | Yes | Yes |
| ChromaTune | Yes | - | - | Yes |
| PANEL PROCESSING ENGINE | M2 | S4 | TI | SX40 |
| Multiple fixture type support | Yes | Yes | Yes | Yes |
| Automatic pixel pitch interpolation | Yes | - | Yes | - |
| Free fixture rotation | Yes | 90°/180°/270° only | Yes | 90°/180°/270° only |
| Free placement of fixtures | Yes | Yes | Yes | Yes |
| LATENCY | M2 | S4 | TI | SX40 |
| End-to-end latency with all features | 3 frames | 2 frames | 3 frames | 2 frames |
| Latency in feature-limited low latency mode | 2 frames | N/A | 2 frames | N/A |
| CONTROL | M2 | S4 | TI | SX40 |
| Local user interface (DP++ and USB) | Yes | Yes | Yes | Yes |
| Tessera Remote user interface | Yes | Yes | Yes | Yes |
| DMX-512 live control | Yes | - | Yes | Yes |
| Art-Net live control | Yes | - | Yes | Yes |
| Tessera Control support | Yes | Yes | Yes | Yes |
| Management ports | 2 | 1 | 1 | 2 |
| MECHANICAL | M2 | S4 | TI | SX40 |
| Form factor | 2U 19" rack | 1U 19" rack | 1U 19" rack | 2U 19" rack |
| Front panel buttons | - | 2 | - | 2 |

All images are for illustration purposes only. All specifications are subject to change.