TESSERA S4

LED VIDEO PROCESSORS

CONTACT

CUSTOM BUILT FOR DRIVING CONVENTIONAL LARGE WALLS

The Tessera S4 LED processor is the workhorse of the Tessera range – perfect for large, high resolution video walls. It has full HD support, with a standard canvas of 1920×1080 @ 60Hz, and more non-standard canvases available.

It retains Tessera's class-leading quality and control with a smaller creative feature set to ensure competitive value.

The Tessera S4 has up to nominal 2.1 million pixel output and sophisticated colour controls including; per-input adjustments, global brightness & gamma, and On-Screen Colour Adjustment (OSCA).

You can also rotate fixtures to 0˚ / 90˚ / 180˚ / 270˚ and place them anywhere on the full HD canvas (regardless of the order in which they are cabled), removing the need for external pixel mapping.

POWERFUL TESSERA FEATURE SET

DARK MAGIC

Improves the appearance of panels operating at less than their maximum brightness by reducing banding and increasing detail in dark areas.
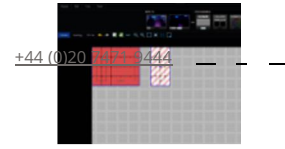
Explore Dark Magic

OSCA

On-Screen Colour Adjustment (OSCA) enables a special user interface to appear on the LED screen itself, allowing for quick, easy module and seam selection.

Explore OSCA

TESSERA SOFTW

Tessera Management Softw
over your Tessera System, v
easy-to-use features for an

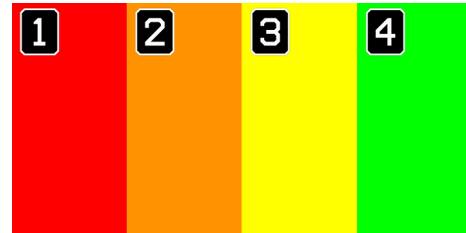+44 (0)20 ____ 9444   8   _   €

CONTACT

SUB-FIXTURE MAPPING

The Tessera Management Software makes setting up your LED fixtures easy, regardless of number, size or cabling order, offering increased flexibility and much greater creative control over fixtures of any pixel pitch.

You can place fixtures and sub-fixtures anywhere on the full HD canvas. The Tessera system uniquely supports multiple sub-fixtures from a single R2 receiver card, making mapping creative shows with LED strips and small tiles easier than ever.
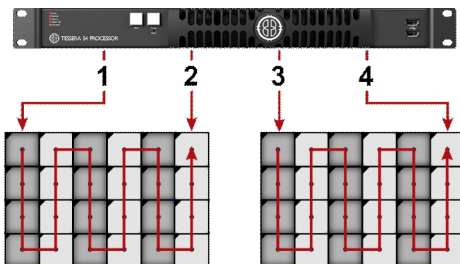
QUICK ASSOCIATION

Quick Association is a new, even faster way to associate large numbers of panels to your Tessera LED processor.

Each string of fixtures is automatically assigned a unique numeric code, so it's quick and easy to select the fixtures you want, associate them with the processor, and place on your canvas. Quick Association is supported by all Tessera processors, in both remote and local UI, to make your fixture setup as efficient as possible.

CABLE REDUNDANCY

The Tessera S4 processor supports loop-back redundancy, in which pairs of output ports are connected to both ends of a string of fixtures.

Loop-back redundancy gives you peace of mind in the event that something happens to the primary video source. If the worst happens in a live show, never fear – your panels will automatically switch to the backup feed so that the show continues seamlessly.

DOWNLOADS & OTHER INFORMATION

R2 RECEIVER CARD

The R2 Receiver Card is the most powerful Tessera receiver card ever, supporting a 262k pixel capacity, making it perfect for all types of LED panels.
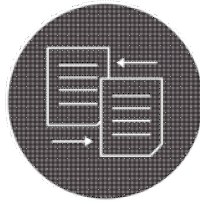
Explore R2 Receiver Card

COMPARISON CHART

See and compare the capacities and features of all Tessera LED Processors.

Learn more

S4 DATA SHEET

Download the Tessera S4 processor datasheet .pdf with full product technical specifications.

Download here

SOFTWARE

Download the latest version of the Tessera software and firmware.

Download here

TESSERA PROCESSORS

TESSERA SX40

Brompton's first 4K processor and the best LED processor currently available on the market. Used in combination with the XD Data Distribution Unit, it provides a comprehensive solution for 4K screens.

Learn more

TESSERA M2

Brompton's flagship HD LED processor, offering unrivalled creative and colour management features.

Learn more

TESSERA S4

A straightforward powerhouse processor built for large, high resolution LED screens, offering fewer creative features for competitive value.

Learn more

TESSERA T1

Designed for creativity, an ideal choice for smaller creative shows and displays that don't need to output a huge amount of pixels.

Learn more

CONTACT

S4 INPUTS & OUTPUTS

Expand

‡

TESSERA S4 | FRONT

Front panel status LEDs

Blackout & Freeze buttons

2 x 2.0 USB Type A

TESSERA S4 PROCESSOR

Reset

TESSERA S4 | REAR

Tessera Outputs

DVI-D In & Thru

Local User Interface

Management Ethernet

Switched Auto Ranging Mains Input

TECHNICAL SPECIFICATIONS

PHYSICAL (WxHxL)

TESSERA MANAGEMENT SOFTWARE

Unboxed
482.6mm (19") x 44.5mm (1.75") x 342.9mm (13.5")

Boxed
570mm (22.4") x 170mm (6.69") x 450mm (17.7")

WEIGHT

Unboxed: 3.1Kg (6.8lbs)
Boxed: 5.5Kg (12.1lbs)

ELECTRICAL

Switched autoranging power supply
100 – 240V AC
50Hz – 60Hz
0.4 – 0.2A

DVI-D INPUT

One DVI-D input
Up to 1920 x 1080 at 60Hz
Non-standard resolution support for:
    1600 x 1200
    2880 x 720
    720 x 2880
    1080 x 1920
Support for RGB and YCbCr colour spaces
HDMI support with suitable adapter
No HDCP support

OUTPUTS

Four 10GBASE-T copper output ports, each capable of a nominal 525K pixels at 8 bits per colour, 60Hz frame rate

GENLOCK

Lock to source
Processors genlock from source right through to panel refresh
Frame rates from 23.98 to 60Hz

LATENCY

2 frames end-to-end system latency

Local management using monitor, keyboard and mouse connected directly to processor
Monitors from 1024×768 up to 1920×1080
DP++ monitor output supports HDMI, DVI and VGA using a suitable adapter

+44(0)20 7471 9444   8   _   €

TESSERA REMOTE

Available free for Windows PC and Mac OS
Remote management using Windows PC or Mac connected to processor via Ethernet network
One Gigabit Ethernet network port

REMOTE CONTROL

Tessera Control application for multi-processor control via management network port

I/O

Two USB 2.0 ports on front
Two USB 2.0 ports on rear
One DisplayPort (DP++) monitor output

FRONT PANEL

Five status LEDs
Power LED
Freeze button
Blackout button

WARRANTY

Two years

CERTIFICATIONS

CE, ETL/cETL

CONTACT

SEE US IN ACTION

"As a recent start-up, Universal Pixels only invests in technology with a clearly defined future road map. T provides this and has become the industry standarc processing (regardless of panel manufacturer or SM which helps us hugely, both with technician knowlec the road support."

Phil Mercer – Unive

SIGN UP TO OUR NEWSLETTER

| Enter your email address | SIGN ME UP |

☐ By submitting this form you agree to our Terms and Privacy Policy

Sign up to our newsletter to receive updates on new software and hardware releases, trade show announcements, events, training days, and other company news.

PRODUCTS
PROCESSORS
DISTRIBUTION
RECEIVER CARDS
COMPARE

TECHNOLOGY
DYNAMIC CALIBRATION
HYDRA
TESSERA SOFTWARE

FEATURES
HDR
PURETONE
THERMACAL
HIGH FRAME RATE
ULTRA LOW LATENCY
CHROMATUNE
DARK MAGIC
GENLOCK
OSCA

SUPPORT
DOWNLOADS
TRAINING
DOCUMENTATION

PARTNERS
MANUFACTURERS
RENTAL

ABOUT US
USER
CAREERS
DIRECTIONS
HISTORY
PEOPLE

LATEST
ARCHIVE

Phone: +44 (0)20 7471 9444

Email: info@bromptontech.com
-

Phone: +86 (0)755 3306 6570

Email: asia@bromptontech.com

Brompton Technology Ltd
International House, 7 High Street
Ealing Broadway, London, W5 5DB

Brompton Technology Ltd
902 Yue Mei Te Building
1 Gao Xin South Seven Road
High-Tech Industrial Park, Yuehai Street
Nanshan District, Shenzhen

CONTACT

© 2019 Brompton Technology Ltd | Company registered in England and Wales no. 07756396

Terms   Privacy Policy   Cookies

CONTACT