BROMPTON TECHNOLOGY

TESSERA S4 LED PROCESSOR

Custom built for driving conventional large walls

The Brompton Technology **Tessera S4 LED processor** is the workhorse of the **Tessera** range - perfect for **large, high resolution video walls** in a rugged and compact 1U package.

The **S4** has a single DVI-D input and supports resolutions up to 1080p60. It has four **Tessera Protocol Gigabit Ethernet** outputs, with each output capable of a nominal 525K pixels at 8 bits per colour, 60Hz frame rate.

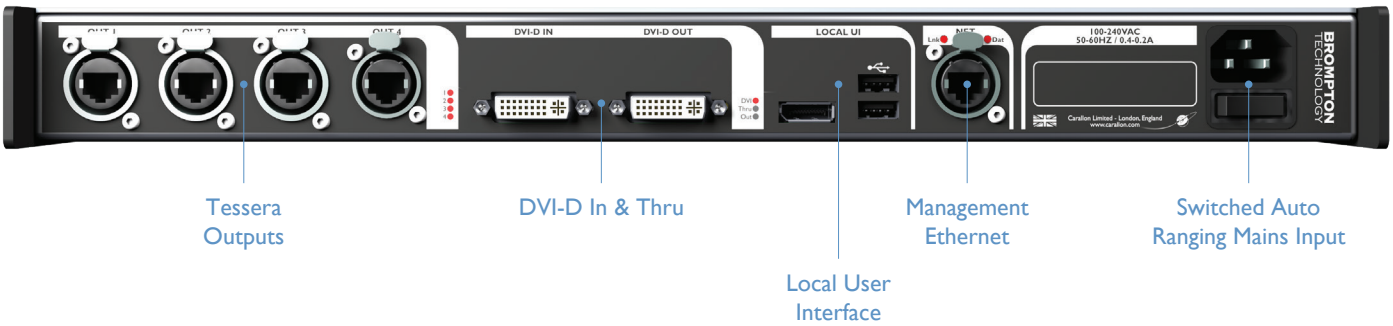
It retains **Tessera**'s class-leading quality and control with a smaller creative feature set to ensure competitive value and has strong colour controls including per-input adjustments, global brightness & gamma, and **On Screen Colour Adjustment (OSCA)** for colour mismatch corrections.

It is easy to configure fixtures within the **full HD** 1920x1080 standard canvas such as:

- Quick Association for a fast and easy way to associate large numbers of fixtures to a **Brompton** processor
- Pixel mapping that allows free placement and rotation of fixtures to 0˚ / 90˚ / 180˚ / 270˚ regardless of cabling order, and also supports multiple 'sub-fixtures' from a single Receiver Card, e.g. for LED strips/ small tiles

TESSERA S4 | FRONT

TESSERA S4 | REAR



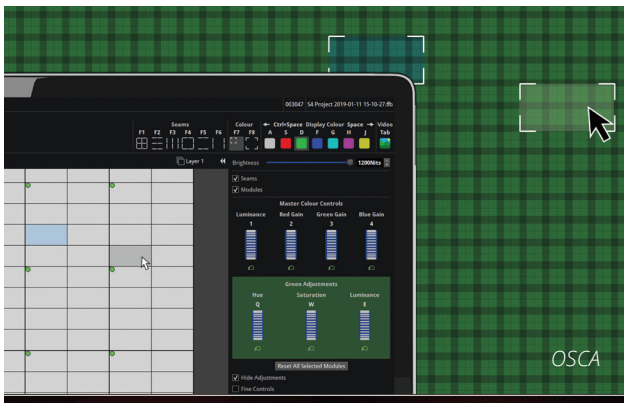
TESSERA MANAGEMENT SOFTWARE

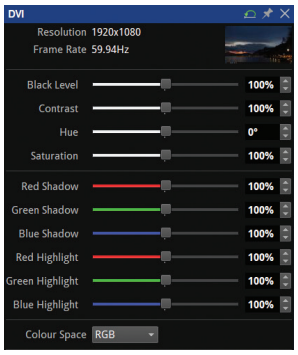
The **S4** is configured using the intuitive and powerful **Tessera Management Software** and makes use of the highly convenient **OSCA** and **Dark Magic** (for dark-area detailing) features. Each input can be easily configured with adjustments to global brightness and gamma.

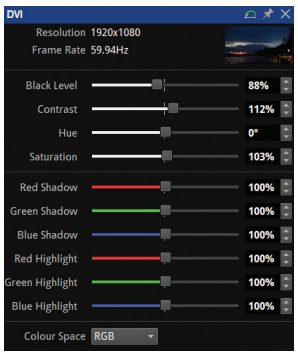
Tessera Management Software gives you the option of using a remote PC (**Windows** or **Mac**) or working locally by plugging a mouse, keyboard and monitor directly into the processor.

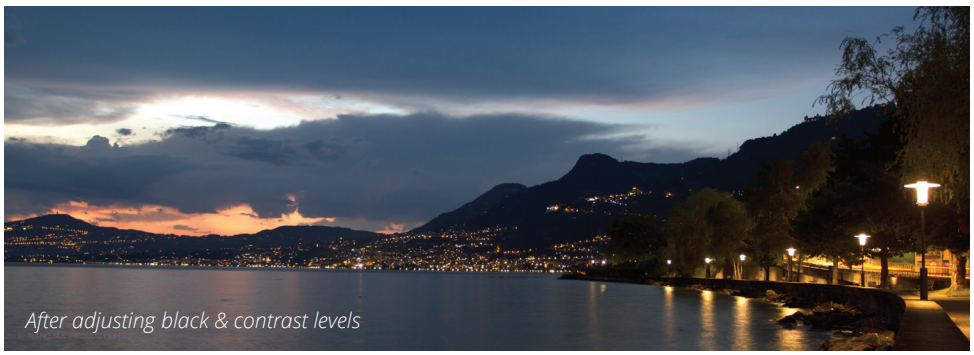
RECEIVER CARDS

All the processors in the **Tessera** family communicate via Gigabit Ethernet with LED panels fitted with **Tessera** receiver cards. Off-the-shelf Gigabit Ethernet networking equipment and cabling can be used. **Tessera** receiver cards are designed to fit into the vast majority of panel enclosures using a widely available DDR2 SO-DIMM socket.









TESSERA S4 LED PROCESSOR

Full Specifications

PHYSICAL (WxHxL)

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
- Support for RGB and YCbCr colour spaces
- HDMI support with suitable adapter
- No HDCP support

OUTPUTS
- Four 1G Tessera 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

TESSERA MANAGEMENT SOFTWARE:
- Local management using monitor, keyboard and mouse connected directly to processor
- Monitors from 1024x768 up to 1920x1080
- DP++ monitor output supports HDMI, DVI and VGA using a suitable adapter

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
- IP Control

I/O
- Two USB2.0 ports on front
- Two USB2.0 ports on rear
- One DisplayPort (DP++) monitor output

FRONT PANEL CONTROLS
- Five status LEDs
- Power LED
- Freeze button
- Blackout button

WARRANTY
- Two years

CERTIFICATIONS
- CE, ETL/cETL

Brompton Technology is the market leader in LED video processing for live events, film and television. Its Tessera system sets the standard for the industry and is used on everything from huge global world tours to pioneering virtual production and XR studios. Based in London, the brand is known worldwide and respected for the quality and reliability of its products and its exceptional technical support. More information can be found at www.bromptontech.com.