BROMPTON TECHNOLOGY®

Brompton Technology's Tessera R2 receiver card takes a new module-based design approach to produce the most powerful ever LED panel receiver card. Now an industry standard, R2 uses cutting-edge technology to ensure a perfect combination of capacity, size and features.

Supporting 262k output pixels, it is ideal for all types of panels, including sub-2mm fine pitch products.

The R2 works with all Tessera processors, which are packed with industry-leading features such as Brompton's intuitive software system, built-in scaling, extensive colour adjustments, flexible output mapping, and live control over DMX. Other advanced features include:

• Superior greyscale performance - Especially when the LED panels are run at low brightness as is typical in many studio applications

• Module storage - Reading calibration data from the LED modules so modules can be swapped without having to recalibrate

• Advanced calibration options - Allowing video engineers to make on-site tweaks, for example applying edgecorrection to compensate for mechanical seams between panels using On-Screen Colour Adjustment (OSCA).

GIGABIT ETHERNET
All 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.

DESIGN SUPPORT
Reference designs are provided to aid hub board design, and our multilingual Field Application Engineers are always available to support the integration of new panels remotely or locally from our Shenzhen office.

SMALLER FORM FACTOR
Measuring just 68x32mm and using the widelyavailable DDR2 SO-DIMM socket to integrate it, the compact form factor of the R2 module effortlessly fits in small hub board designs that continue to decrease in size.

Specifications

PROCESSING
262,144 RGB pixels capacity
16 bit-per-channel processing

NETWORK
Two Gigabit Ethernet data connections

MECHANICAL
DDR2 SO-DIMM form factor

OUTPUTS
All major driver ICs supported
Up to 72 output data channels

SENSORS & UI
Support for sensors (e.g. temperature)
Support for user interfaces (e.g. status LEDs, push buttons)

BROMPTON R2

Tessera R2
The revolutionary LED Panel receiver card.