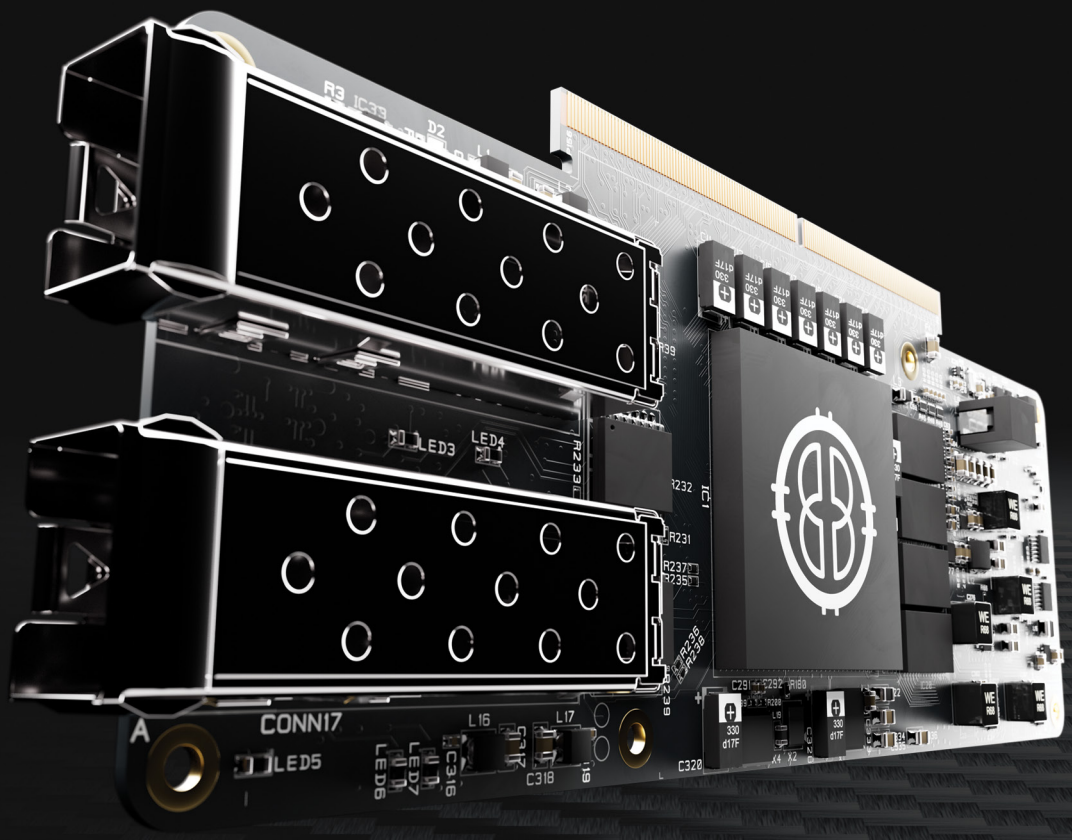
BROMPTON TECHNOLOGY

IT'S TIME TO MEET THE FUTURE

The new TESSERA G1 leads the way



2023 BEST OF SHOW InfoComm AVTECHNOLOGY WINNER

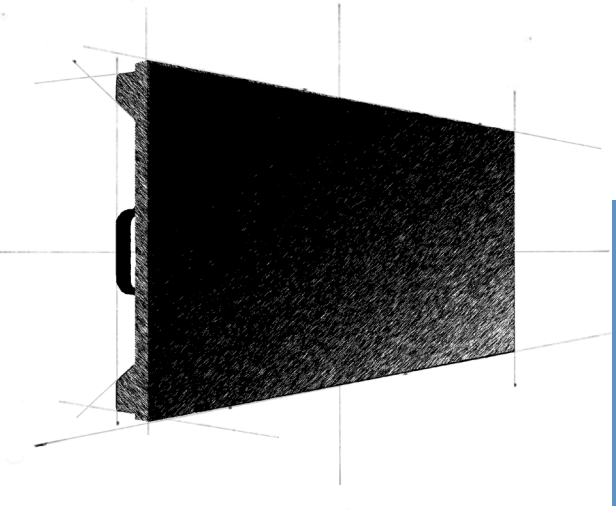
GOLD AWARD 2023 PLASA AWARDS FOR INNOVATION

NABSHOW PRODUCT of the YEAR 2023 WINNER

Imagine... a future of high-performance LED panels with capabilities of which you've only dreamed. Now say hello to the new **G1 receiver card** – by far the most powerful receiver card ever designed for an LED panel and a platform for innovation on which to build the next generation of high-performance displays.

What might be possible using the new G1 receiver card? Together, let's imagine what these next generation panels might be capable of. **It's time to meet the future...**

20x more powerful



ONE MILLION PIXELS – ONE MILLION POSSIBILITIES

Imagine a single panel with one million pixels bringing the highest pixel density to your solution.

720p panel

A single G1 could drive a panel of 1280x720 pixels and 16:9 aspect ratio. That is a 720p display in a single panel, which could be used standalone or combined easily into 4K, 8K or even larger displays.

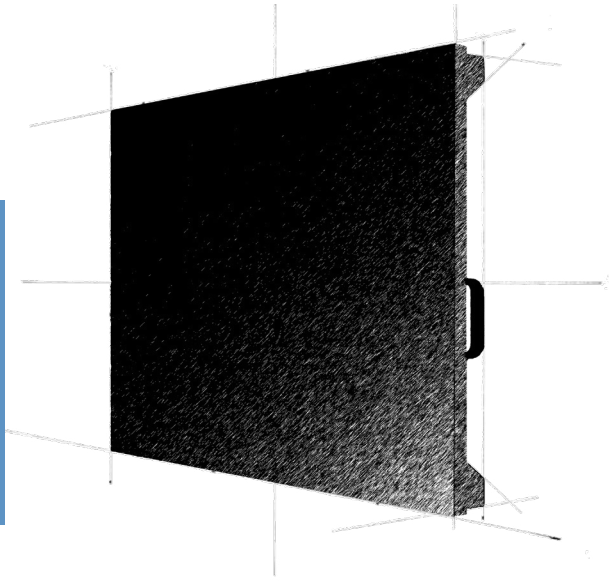
The panel might be 100cm by 56cm with 0.7mm pixel pitch, or perhaps we should imagine a panel 50cm by 28cm with 0.3mm pixel pitch.

RGBW – A NEW DIMENSION OF COLOUR

Imagine pixels with more emitters than the traditional RGB, but offering the colour accuracy and control you expect from Brompton processing.

RGBW = Red, Green, Blue, Whatever!

Extra emitters in your pixels could improve the Colour Rendering Index (CRI) – spectral quality – of the light output from a panel, or widen the gamut for the most demanding applications. But achieving accurate control of additional emitters requires intensive computation that demands the unrivalled power of G1.



CALIBRATED EXTRA EMITTERS – CHANGING THE WAY YOU LOOK AT PANELS

Dynamic Calibration from Brompton Technology already sets the industry standard for colour accuracy and control. But the Hydra calibration system was designed to cope with more than just RGB and is the only way to ensure colour accuracy from an RGBW panel.

ULTRA-HIGH FRAME RATES – THE NEED FOR SPEED

Imagine ultra-high frame rate video displayed on your panels to get the fastest esports experience or to enable slow-motion in-camera visual effects without artefacts.

Next level speed

The G1 has the power to drive future panels at 1000fps.

10Gb to the panel

ONE CABLE - 5.25 MILLION PIXELS

Imagine resolving your cabling limitations by sending 10Gb of data from an SX40 straight to a string of panels. No XD data distribution unit required.

Fibre connectivity

With fibre direct to your panels, you'll get the benefits of electrical isolation, avoid noise caused by EMI, and the option of cable runs measured in kilometres.

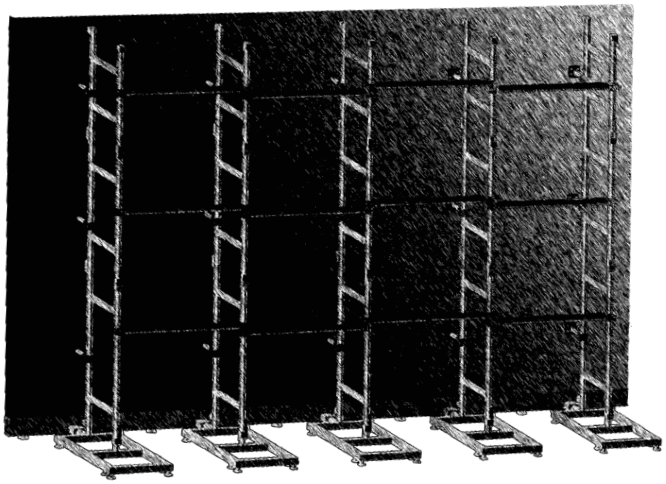


Image credit: Dark Matters

FUTURE-PROOF PROCESSING

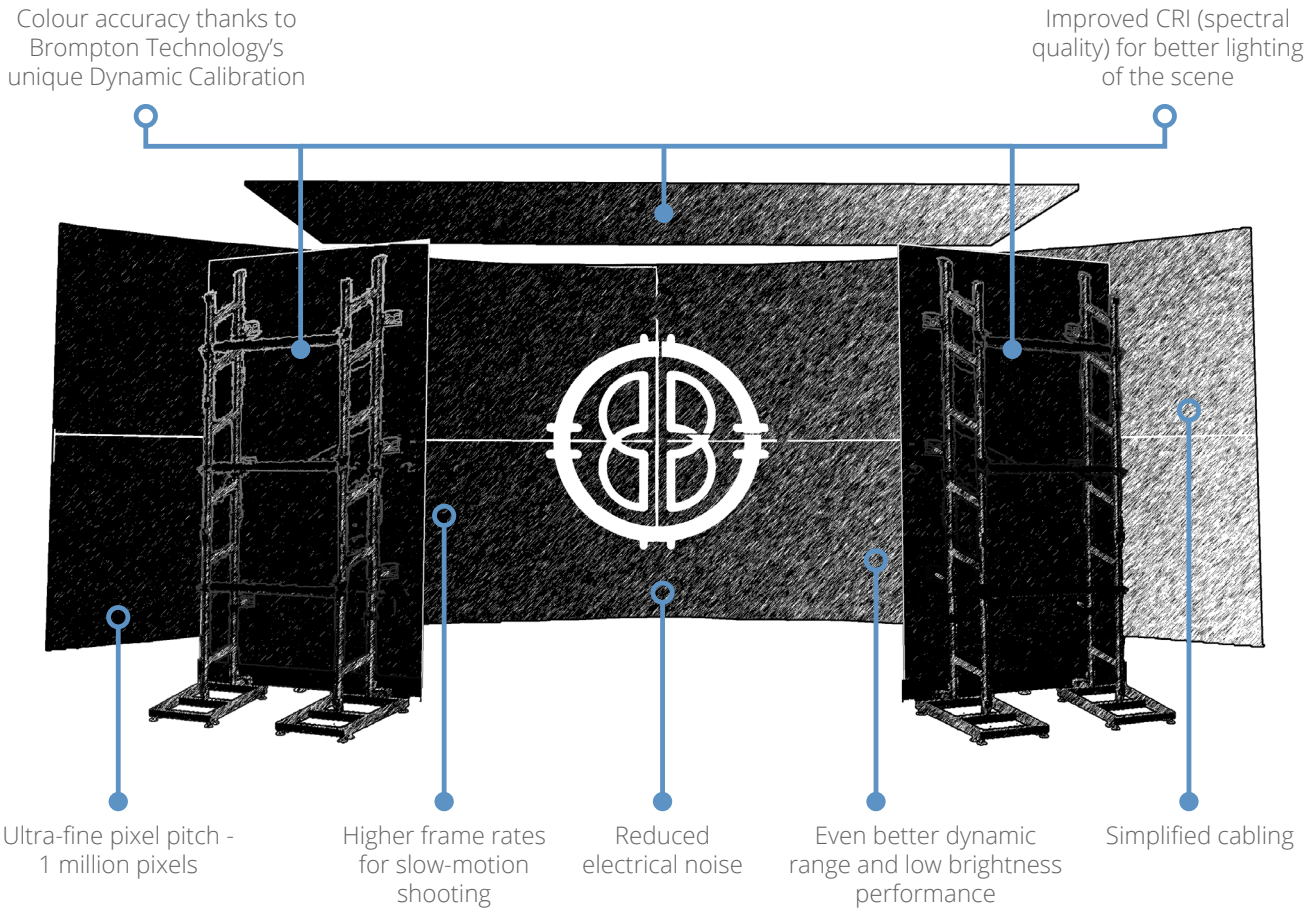
Imagine a receiver card with the head room to benefit from new processing features for many years into the future. It's not so hard to believe – the R2 was launched in 2014 but has set the benchmark for over eight years and continues to benefit from new software features such as Extended Bit Depth and ShutterSync®.

Where will the awesome power of the G1 take us?

Return on investment

Brompton Technology is passionate about delivering quality products that will stay at the cutting edge for years and years. The G1 is 20x more powerful than the R2+, which was already the most powerful receiver card on the market.

IMAGINE THE POSSIBILITIES



20x more powerful

Up to one million pixels

Fully calibrated support for RGBW

Ultra-high frame rates up to 1000fps

Even better results from ShutterSync® and Extended Bit Depth

Highly cost-effective for fine-pitch panels

10Gb fibre to the panel

10Gb bandwidth allows up to 5.25 million pixels at 60fps

Fibre connection straight to panel

Support for new panel architectures

Compatible with existing and future Brompton processing

The power to future-proof your panels

It's time to meet the future

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.