Burstbery Cluster

PRODUCT SPECIFICATION SHEET

KVANT®

A pack made of six Burstberries offers more than 150.000 points-per-second drawing capability - that's at 8 degrees projection angle and 20 frames per second performed. And being virtually a single unit makes the handling extremely easy and practical because you don't have to worry about the misalignment between the projectors once they are set up - even if moved afterwards.

Just imagine what you could do with over 150.000 points per second; how complex the content could be with absolutely no flicker when projected. The Burstberry offers endless creative possibilities and easy control when designing challenging laser effects. Because it is intended to be operated mainly via Artnet or DMX, we see it ultimately as the product of choice for every lighting designer.

SPECIFICATIONS

**Source	Type:**	Semiconductor laser diode	Full-colour RGB laser projector/Lighting fixture
Suitability:	Indoor/outdoor laser displays [atmospheric, abstract, text, animations]
System control:	FB4-STD [Ethernet, ArtNet	PC, Lighting Console or Autoplay]
Compliant with:	EN 60825-1 [tested by TÜV SÜD], FDA
Weight [kg]:	23
Size [WxHxD, mm]:	approx. 520 x 350x 359 [Technical Drawings are in the SUPPORT section of this page]
Guaranteed opt. output [W]:	12
**R	G	B [mW]:**	340	700	1200 [each sub-unit	*see note A below]
Wavelengths [nm, ±5nm]:	637	520	445
Beam size [mm]:	5.2 x 4.5
Beam divergence [mrad]:	0.58 [full angle, averaged value, *see note B below]
**Modulation [kHz]	type:**	100	analogue
X-Y scanners:	ScannerMAX 506 Compact	168 Kpps @ 8°, max. 60° [per 6-unit cluster]
**Power requirements [V]	Input:**	100-230/50-60Hz	Neutrik powerCON TRUE1
Max. power consumption [VA]:	340 [each sub-unit]
Operation temperature [°C]:	10-40
Included in the set:	Heavy-duty fligh case, 1.5M power lead, 1M AC jumper cables, 10M Ethernet rj45 signal cable, 1M Ethernet rj45 signal cables, E-STOP remote with 10M 3-pin XLR cable, 1M 3-pin XLR cables, safety keys, interlock connectors [for the USA only], USB memory stick with the user manual, QC certificates. Pangolin QuickShow laser control and creation software is available for FREE download.
HW features:	All the basic system settings and adjustments such as power output adjustment for each colour, X & Y axes invert, X & Y size and position, etc. are managed via the software and built-in FB4 control interface. Scanning system overload protection. Star-burst laser effect [2nd aperture]. 3W white LED blinder.
Laser safety features:	Keyed interlock, emission delay, magnetic interlock, scan-fail safety, fast electromechanical shutter [reaction time <20ms], adjustable aperture masking plate, Emergency STOP system with keyed remote and manual RESTART button.
note A	Due to Advanced Optical Correction technology used in Kvant systems, the real power output of each laser module installed within the system may slightly differ from its specification. This doesn't affect the total guaranteed power output of the system.
note B	The beam divergence total is calculated as an average arithmetic value of all individual colours. The divergence of each colour is calculated as: 1. FWHM of the beam cross-section for round beams, or 2. The arithmetic average of the beam's horizontal and vertical divergence for all rectangular beams.