## **Burstberry Cluster**







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.

## **Burstberry Cluster**





## **SPECIFICATIONS**

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 [per 6-unit cluster]  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  XY 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  Heavy-duty fligh case, 1.5M power lead, 1M AC jumper cables, 10M Ethernet rif45 signal cables, E-STOP remote with 10M 3-pin XLR cables, safety keys, interlock connectors; flor the USA only], USB memory stick with the user manual, OC certificates. Pangolin QuickShow laser control and creation software is available for FREE download.  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 builtin Fib Act norto interface. Scanning system overload protection. Stanburst laser effect [27nd aperture]. 3W white LED bilinder.  Laser safety features: Experimental shutter [reaction time <20ms], adjustable aperture masking plate, Emergency STOP system with keyed remote and manual RESTART but control 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 individual colours. The divergence of the beam's horizontal and vertical divergence for all individual colours. The divergence of	Source   Type:	Semiconductor laser diode   Full-colour RGB laser projector/Lighting fixture
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]:  R   G   B [mW]:  340   700   1200 [each sub-unit   *see note A below]  Wavelengths [nm, ±5nm]:  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:  Max. power consumption [VA]:  340 [each sub-unit]  Operation temperature [*C]:  10-40  Heavy-duty fligh case, 1.5M power lead, 1M AC jumper cables, 10M Ethernet rj45 signal cable, 1M Ethernet rj45 signal cables, 1E-STOP remote with 10M 3-pin XLR cable, 1M 3-pin XLR cable, 1M set with the user manual, QC certificates. Pangolin QuickShow laser control and creation software is available for FREE download.  All the set:  All the set:  All features:  Keyed interlock, emission delay, magnetic interlock, scan-fail safety, fast electromechanical shutter [reaction time < 20ms], adjustable aperture masking plate, Emergency 5TOP system with Keyed remote and manual RESTART button.  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.  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	Suitability:	Indoor/outdoor laser displays [atmospheric, abstract, text, animations]
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