

# Burstberry

## PRODUCT SPECIFICATION SHEET

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KVANT Burstberry is a self-contained **laser-lighting** fixture designed to be used in multi-head configurations and controlled mainly from a lighting desk via Artnet. It can also be operated with DMX protocol, via Ethernet from a computer or run stand-alone in AutoPlay mode.

As well as being a fully equipped RGB laser display system, each Burstberry has DMX-controlled interchangeable diffraction grating as a second output and a powerful LED blinder below the primary aperture.

Burstberry individual units can be attached one to another from 12 different directions, making it possible to create clusters of pretty much any shape to fit your setup. Joining Burstberries together takes only a few seconds, it's secure and robust.

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### SPECIFICATIONS

Source | Type:

Semiconductor laser diode | Full-colour RGB laser projector / Lighting fixture

Suitability:

Indoor laser displays [atmospheric, abstract, text, animations]

System control:

FB4-SK [Ethernet, ArtNet, DMX | PC, Lighting Console or Autoplay]

Compliant with:

EN 60825-1 [tested by TÜV SÜD], FDA

Weight [kg]:

3.8

Size [WxHxD, mm]:

171 x 171 x 359

Guaranteed opt. output

2 watts

Installed modules R | G | B [W]:

0.37 | 0.8 | 1.2 \*note A

Wavelengths [nm, ±5nm]:

637 | 525 | 445

Beam size [mm]:

5.2 x 5.5

Beam divergence [mrad]:

0.7 [full angle, averaged value, \*note B]

Analogue modulation [kHz]

100

X-Y scanners:

ScannerMAX 506 Compact | 40 kpps @ 8°, max. 60°

Power requirements [V] | Input:

100-240/50-60Hz | Neutrik powerCON TRUE1

Max. power consumption [VA]:

340

Operation temperature [°C]:

5-35

Included in the set:

1.5M AC power cable, 10M Ethernet rj45 signal cable, E-STOP Remote with 10M 3-pin XLR cable, Set of 4 safety keys, Interlock bypass dongle [supplied for the USA only], USB memory stick with the user manual, QC certificate.

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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 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.

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