Epic 100

PRODUCT SPECIFICATION SHEET

For all those epic shows and unforgettable moments - KVANT brings you the Epic!

The Epic series projectors are full-colour RGB scanning lasers with a super-charged power output of hundreds of watts.
Currently, the Epic range includes three models - Epic 100, 170 and 270 BlueBoost.

The 20 kpps Juno scanners offer reliable performance with plenty of speed for all the atmospheric effects, such as beams, waves, tunnels and sheets that are suitable for outdoor shows at stadiums and arenas.

The Epics are about simplicity, power and toughness. Manufactured to IP65 certified housing that is thoroughly waterproof and dustproof and **factory fitted with Motorised Dichroic Filters** for quick and easy internal colour alignment, Epics are an excellent bit of kit for touring.

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SPECIFICATIONS

Source | IP-rating | Type:	Semiconductor laser diode | IP65 | Full-colour RGB laser projector
Suitability:	Large-scale outdoor laser displays [atmospheric, basic graphics]
System control:	FB4-SK [Ethernet, ArtNet | PC, Lighting Console or Autoplay]
Compliant with:	EN 60825-1
Weight [kg]:	89
Size [WxHxD, mm]:	500 x 315 x 876
Guaranteed opt. output:	100 watts
Installed modules R | G | B [W]:	23 | 34 | 50 *note A
Wavelengths [nm, ±5nm]:	638 | 525 | 455
Beam size [mm]:	7 x 12
Beam divergence [mrad]:	1.1 [full angle, averaged value, *note B]
Analogue modulation [kHz]:	100
X-Y scanners:	Juno 5 | 22 kpps @ 8°, max. scanning angle 40° on both axes
Power requirements [V] | Input:	100-240/50-60Hz | Neutrik powerCON TRUE1
Max. power consumption [VA]:	1800
Operation temperature [°C]:	5-25
Included in the set:	Heavy-duty flight case, 10M AC power cable, 10M Ethernet rj45 signal cable, E-STOP Remote with 10M 3-pin XLR cable, Set of 2 safety keys, Interlock bypass dongle [supplied for the USA only], USB memory stick with the user manual, QC certificate. Pangolin QuickShow laser control and creation software is available for FREE download.
HW features:	Motorised Dichroic Filters. 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.
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.