



### DESCRIPTION

**Logolas 6000** is a powerful and versatile, simple to use and inexpensive solution for outdoor laser advertising. Get your message out there! Neon-like laser text and graphics will catch people's attention and get you noticed.

With Logolas you can turn virtually any flat surface into a **billboard** that after dusk will outshine any other type of advertising and whose content can be changed as often as required.

The full-colour laser system is enclosed in a waterproof casing and controlled by a specially tuned version of the inbuilt FB4 control interface that holds all necessary animations loaded onto the SD card.

The content can be uploaded to the laser via ethernet cable. Pangolin QuickShow 4.0 laser control and creation software is included.

The ScannerMax SM-506 scanning system utilised in Logolas 6000 delivers up to 40 Kpps scanning which is fast enough for any basic laser graphics, text or animations. The optional Saturn1 60 Kpps scanning turns any Logolas into the ultimate graphical laser display system.

Every KVANT laser system is delivered with a Quality Control Certificate. The certificate includes the power output measurement of each laser wavelength within the system.

### SPECIFICATIONS

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| <b>Source   Type:</b>                  | semiconductor diode   full-colour RGB laser projector  |
| <b>Suitability:</b>                    | laser graphics - up to 200m projection distance  |
| <b>System control:</b>                 | FB4-SK [Ethernet, ArtNet   PC, Lighting Console or Autoplay]   |
| <b>Compliant with:</b>                 | EN 60825-1 [tested by TÜV SÜD], FDA  |
| <b>Weight [kg]:</b>                    | 14   |
| <b>Size [WxHxD, mm]:</b>               | 338 x 279 x 602  |
| <b>Guaranteed opt. output [mW]:</b>    | 6000   |
| <b>R   G   B [mW]:</b>                 | 1300   1800   3000 [*see note A below]   |
| <b>Wavelengths [nm, ±5nm]:</b>         | 637   520   445  |
| <b>Beam size [mm]:</b>                 | 4.5 x 4.5  |
| <b>Beam divergence [mrad]:</b>         | 0.63 [full angle, averaged value, *see note B below]   |
| <b>Modulation [kHz]   type:</b>        | 100   analogue   |
| <b>X-Y scanners:</b>                   | ScannerMAX 506 Compact   40 Kpps @ 8° [more Options below]   |
| <b>Power requirements [V]   Input:</b> | 100-230/50-60Hz   Neutrik powerCON TRUE1   |
| <b>Max. power consumption [VA]:</b>    | 340  |
| <b>Operation temperature [°C]:</b>     | 0-40   |
| <b>Included in the set:</b>            | 1.5M power lead, 10M Ethernet rj45 signal cable, E-STOP remote with 10M 3-pin XLR cable, set of 4 safety keys, interlock connector [for the USA only], USB memory stick with the user manual. 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 **HW features:** remotely via the built-in FB4 control interface. Scanning system overload protection.

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| <b>Laser safety features:</b> | 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. |
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Due to Advanced Optical Correction technology used in Kvant systems, the real power output of each laser module installed within the system may slightly **note A** differ from its specification. This doesn't affect the total guaranteed power output of the system.

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| <b>note B</b> | The beam divergence total is calculated as an average arithmetic value of all individual colours. The divergence of each colour is calculated as:<br><ol style="list-style-type: none"> <li>FWHM of the beam cross-section for round beams, or</li> <li>The arithmetic average of the beam's horizontal and vertical divergence for all rectangular beams.</li> </ol> |
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