

Maxim G20 OPSL

PRODUCT SPECIFICATION SHEET



DESCRIPTION

Our iconic **Maxim** green-laser series went through dozens of changes over the years but the core remains the same; a quality laser source with laboratory grade optics wrapped in a robust aluminium shell for confidence and peace of mind. The whole package is as simple and effective as it can possibly be.

The KVANT **Maxim G20 OPSL** laser display system is very powerful and super bright OPSL based laser projector, suitable for long distance projections.

Highlights of the Maxim G20 OPSL laser display system:

- 20 Watts of 532nm green laser output ensures outstanding brightness and reach.
- battlefield tested chassis, housing and internal design are all robust and sturdy, making Maxim an ideal laser system also for permanent installations, touring and hire.
- 40 Kpps scanning speed with default Cambridge Technology CT6215 scanner set.
- the built-in FB4 control interface allows for control from a PC or lighting console via Ethernet, DMX, ArtNet and ILDA.
- direct compatibility with DiscoScan 2.0 bracket, SafetyScan lens bracket and 4-way masking plate.
- it can be factory fitted with a Single or Dual Wheel Optical Bench and PASS card.
- TÜV certification.

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.

Maxim G20 OPSL

PRODUCT SPECIFICATION SHEET



SPECIFICATIONS

Source Type:	Coherent OPSL module single-colour [GREEN] laser projector
Suitability:	outdoor laser displays [atmospheric, abstract, text, animations]
System control:	FB4-SK [Ethernet, ArtNet, DMX, ILDA PC, Lighting Console or Autoplay]
Compliant with:	EN 60825-1 [tested by TÜV SÜD], FDA
Weight [kg]:	29
Size [WxHxD, mm]:	471 x 267 x 336
Guaranteed opt. output [mW]:	20000
R G B [mW]:	- 2x 10000 -
Wavelengths [nm, ±5nm]:	- 532 OPSL -
Beam size [mm]:	4
Beam divergence [mrad]:	0.68 [full angle, averaged value, *see note B below]
Modulation [kHz] type:	100 analogue
X-Y scanners:	Juno 5 40 Kpps @ 8°
Power requirements [V] Input:	100-230/50-60Hz Neutrik powerCON TRUE1
Max. power consumption [VA]:	1200
Operation temperature [°C]:	10-40
Included in the set:	Heavy-duty flight case, 1.5M power lead, 25M 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.
HW features:	All the basic system settings and adjustments such as power output adjustment, 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	-
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.