

# KVANT Spectrum 10 OPSL

Laser Display Systems



Type:	full colour OPSL HD & OPSL system
Guaranteed optical output:	9.5W
Suitable for:	indoor/outdoor laser displays and HD laser graphics
System control:	inbuilt Pangolin FB-MAX QS [upgrade to Beyond is available]
Control signal:	ILDA, Ethernet, ArtNet and SD card
Scanning system:	Saturn 1   90kpps @ 7°
Safety:	fully complies with the latest EN 60825-1, FDA regulations and TUV Laser Safety
Weight:	37kg
Includes:	heavy duty flight case, power lead, 25M ILDA signal cable, E-STOP remote with 25M cable, set of 4 safety keys, interlock connector, CD with PDF manual.



R   G   B [mW]:	2500   5000   2000
Beam diameter [mm]:	3
Beam divergence:	<0.35mrad [full angle]
Modulation:	analog, up to 50kHz
Power requirements:	100-230V/50Hz
Consumption:	max. 500VA
Operation temperature:	10-35°C
Ingress protection rating:	IP65



System features:	All the basic control settings such as X & Y sizes, scan-fail safety settings etc. are adjusted digitally using inbuilt interface. This system also features scanning system protection and daisy chain of emergency STOP signal for multiple system "one-hit" operation.
Integrated laser safety features:	Keyed interlock, emission delay, magnetic interlock, scan-fail safety, V-RAD 506 mechanical shutter   reaction time <20ms, adjustable aperture masking plate.

Nothing compares to the new Spectrum OPSL when it comes to **long distance graphical performance**. The combination of our know-how, craftsmanship and Coherent OPSL HD technology are what make this laser series unbeatable in many ways. These systems feature a true TEM00 beam profile which offers the best possible beam characteristics for graphical laser displays.

Razor sharp beams and new **90kpps** high speed scanning from Pangolin delivers superb performance which we reckon will impress even the most demanding users.

Main features of the Spectrum OPSL series:

- Ultra low beam divergence of **0.35 mrad at full angle**
- **Motorised dichroic filters** for quick and easy colour alignment controlled via Pangolin Beyond [optional].
- **IP65** construction.
- Integrated FB4-MAX control interface as standard.
- Radio controlled Emergency STOP remote [optional].