

# KVANT Spectrum 10 OPSL

## Laser Display Systems



Type:	full colour OPSL HD & OPAL 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 systems 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 OPAL when it comes to **long distance graphical performance**. The combination of our know-how, craftsmanship and Coherent OPAL 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 OPAL 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].