

Spectrum 20

Laser Display Systems



Type:	full colour OPSL/semiconductor diode laser system
Guaranteed optical output:	20W
Suitable for:	outdoor laser displays and laser graphics
System control:	inbuilt Pangolin FB-MAX QS, Pangolin QuickShow 4.0 laser control and creation software is included [upgrade to Beyond is available]
Control signal:	ILDA, Ethernet, ArtNet, DMX and SD card
Scanning system:	CT6215 30kpps @ 8° [see Options below]
Safety:	fully complies with the latest EN 60825-1, FDA regulations and TUV Laser Safety
Weight:	36kg
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]:	6000 8000 6000
Beam size [mm]:	5.5x5.5
Beam divergence:	<1mrad [full angle]
Modulation:	analog, up to 50kHz
Power requirements:	100-230V/50Hz
Consumption:	max. 550VA
Operation temperature:	10-35°C
Ingress protection rating:	IP54
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.

Our long time classics - the Spectrum series. Still being the **most popular** within the high power range of KVANT lasers. So here is the most current version of our proven and improved design that incorporates our cutting edge technology. This robust system is built for touring and it takes advantage of excellent beam properties based on the OPSL Coherent Taipan and KVANT's mastered semiconductor diode laser modules.

All Spectrum systems are certified for TUV Laser Safety.

Main features of the Spectrum:

- **36kpps** CT6215-HP scanning [optional].
- **Motorised dichroic filters** for quick and easy colour alignment controlled via Pangolin Beyond [optional].
- **IP54** construction.
- Integrated FB4-MAX control interface as standard. Pangolin QuickShow 4.0 laser control and creation software is included.
- Direct control from most major lighting desks over the ArtNet.