

# LD 20 Atom

## Laser Display Systems



Type:	full colour semiconductor diode laser system
Guaranteed optical output:	20W
Suitable for:	outdoor laser displays and 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 9   30kpps @ 7°
Safety:	fully complies with the latest EN 60825-1, FDA regulations and TUV Laser Safety
Weight:	34kg
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   5700   9000
Beam size [mm]:	9x9
Beam divergence	<0.7mrad [full angle]
Modulation:	analog, up to 100kHz
Power requirements:	100-230V/50Hz
Consumption:	max. 500VA
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.

We officially launched our first semiconductor diode laser system back in 2011 in Birmingham, UK. Today's Atom series combines modern semiconductor diode laser technology with battlefield proven design and a new FlashBack 4 controller from Pangolin. Our Atoms already showed their potential in power demanding applications whilst we manage to keep the purchase costs at a reasonable level.

KVANT LD 20 Atom is our most powerful pure diode laser system designed for large outdoor venues for thousands of people. This robust system is built to last and it's suitable for touring as well as hire.