

## Laser Target Designator light source

SKU:LDR808 - 50

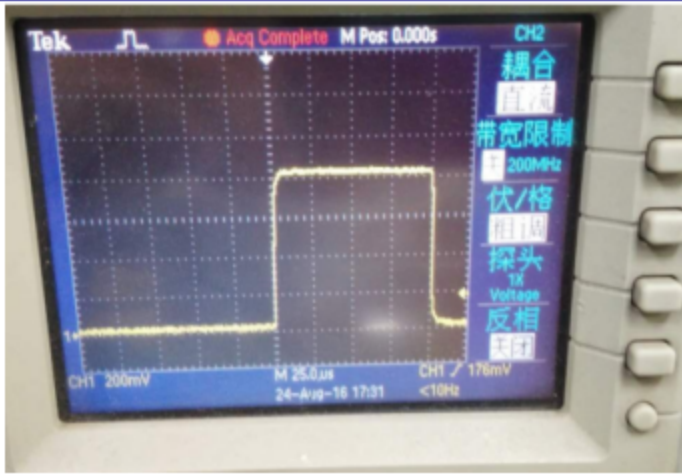


This laser irradiation light source is mainly used in security monitoring systems to provide supplementary light sources for low-light TVs, etc., to improve the clarity of nighttime imaging.

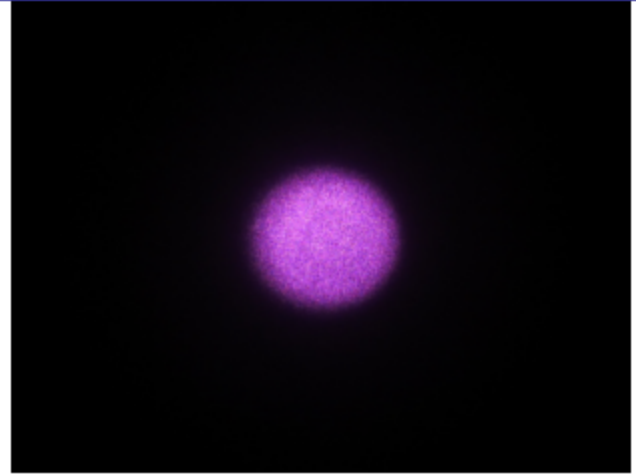
The system adopts high-speed high-current pulse constant current source technology, which makes the rise and fall time of 50W-level modulated laser pulses reach 500ns at the fastest, which improves the effective power entering the low-light imaging system; in addition, the light source output uses optical fiber homogenization technology to improve the uniformity of irradiation sex. The system has undergone a 24/7 aging test before leaving the factory to ensure that the system can work stably and reliably for a long time.

### INDEX PARAMETER

Laser wavelength	808nm; (860nm, 1064nm can be customized)
Wavelength range	±3nm
Laser Characteristics	quasi continuous modulation output
Maximum peak output power	50W
Repeat frequency	1kHz ~ 25KHz adjustable
Duty cycle	0 ~ 100% adjustable
Pulse rise time	<5us
Adjustable output power	0 ~ 5V level adjustable (0 ~ 100% rated power)
Optical fiber coupling output , uniform light output at the fiber output end	
Trigger signal	5VTTL level, active high
Operating temperature	-20°C ~ 50°C
Powered by	DC15V, 8A
Product Size	200mmX180mmX84mm (OEM version or other customized requirements are available)
24 hours continuous work	



Laser pulse output waveform



Output spot of fiber coupling end