

FireFly 300W

Compact High Speed Imaging Light Source



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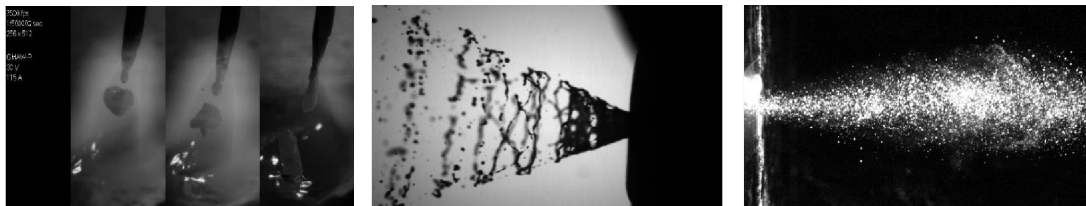
Compact high-speed laser light source designed with PIV, particle sizing and spray pattern measurement in mind. High-speed or high-temperature events imaging made easy.



See more of what's happening in your experiment with a FireFly laser.

Integrated adjustable optics allow you to capture events within a single plane of your flow, or expand the beam to illuminate a large area.

VISIBLE AND INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT



Very high power output for bright subject illumination.

High repetition rate to keep up with fast events.

Trigger easily from any camera; high speed or low speed.

Computer control of all head functions.

Fully sealed, air or water cooled laser head.

Connect to any camera

SPECIFICATIONS

Power:	300W at diode
Wavelength:	808nm
Pulse Rate:	0-48kHz (depending on model)
Pulse Duration:	250ns - 100 μ s (1% duty cycle limit)
Pulse Separation:	1 μ s - 100ms (burst mode only)
Pulse Burst:	up to 200 pulses per trigger at 1.6MHz
Internal Oscillator:	0-48kHz with output control camera
Trigger Modes:	Internal, external, rising/falling edge, f/2, video adjustable trigger delay 0-9999 μ s
Options:	Light guide delivery, Waterproofing (1m), external optics bay (for additional flexibility)

Compact Dimensions

Head:	205mm x 125mm x 70mm
Controller:	270mm x 200mm x 65mm
Cable Length	5m as standard (other lengths available upon request)



010-80414615



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