

## PIV Laser Specifications

Type : Compact dual head Nd-Yag pulsed laser with stable resonator

Beam Diameter : 6.5 mm

Pulse width : <10 ns

Energy Stability : +-2 % RMS

Energy @ 532 nm per laser head : 180-200mJ

Repetition rate per laser head : 0-15 Hz

Divergence : < 3.5mrd

Beam pointing stability : <100 micro rad

Adapter plate: needed, to connect to 1.036" externally threaded volume optics

Variable optical attenuator: needed

Time Jitter: < 1 ns

Far field beam overlap ( $\mu$ rad):  $\pm 100$

Near field beam overlap ( $\mu$ m):  $\pm 100$

Power supply: approx. 1 X 650 W

External trigger: 5V TTL

Flash Lamp life: >50 Million Shots

Voltage (VAC): 110-250, 50-60 Hz

Power: Single Phase

Operating Ambient ( $^{\circ}$  C): 10-30

Power Consumption (W): approx <800

Cooling: should be provided, closed circuit, preferably using deionized water

Laser light arm: Please quote as an option