

PIV OPO 532

DANGER

INVISIBLE AND OR VISIBLE LASER RADIATION -
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION

| | |
|-------------------|---------------------|
| ENERGY PER PULSE: | 2 J MAX |
| PULSE DURATION: | 3 - 20 ns |
| TUNABLE OUTPUT: | UV, VISIBLE, AND IR |

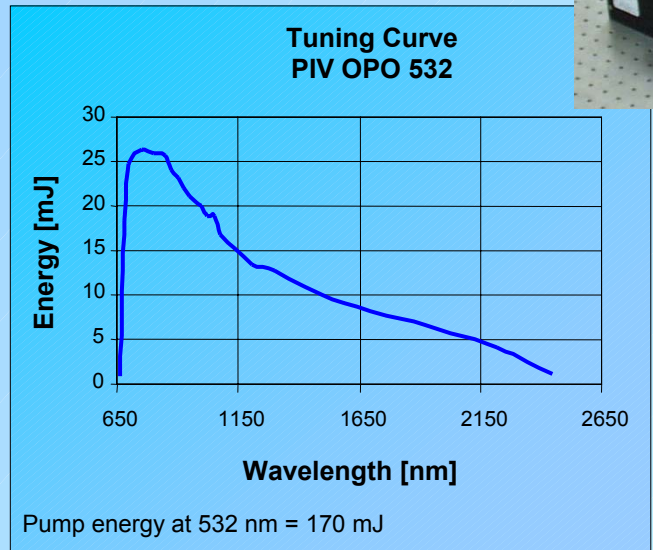
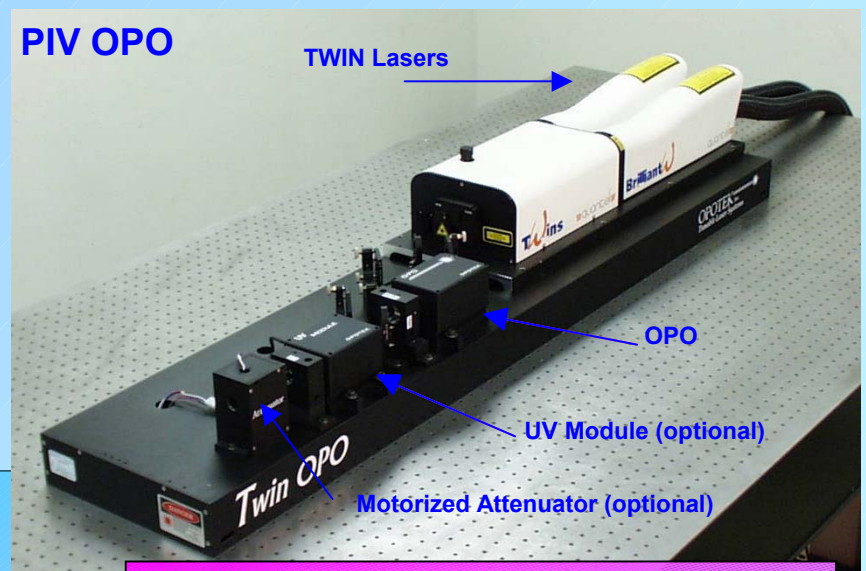
CLASS IV LASER PRODUCT

Particle Image Velocimetry at any wavelength from 680 nm to > 2µm
Double Pulse Tunable Laser System: a single OPO pumped by two lasers

- **Integrated System**
- **Tuning 680 - 2200 nm**
- **UV Option 350-480 nm**
- **Computer Control**

Specs

The tuning curve of the PIV OPO 532 is presented in the figure below. The spectral linewidth is about 15 cm⁻¹.



The system generates pairs of pulses where the time between the pulses can be varied by the user from a few ns to ms according to the application requirements. The pulse-pair repetition rate can be controlled from a single pulse to 10Hz.

Tuning in the UV

The wavelength can be extended to cover the range of 350 – 480 nm by doubling the output of the OPO.

Motorized Attenuator (optional)

The output energy can be controlled with an attenuator that incorporates a cube polarizer mounted on a motorized rotation stage. The attenuator allows control of the output energy while running the lasers at full power for optimized stability.

