Excitation Components
Olympus FV3000

- From Olympus laser combiner
- Laser diode head: LDH Series (LDH 405, LDH 440, LDH 485, LDH 510, LDH 530, LDH 560, LDH 595, LDH 640)
- Compact attenuator
- PM SM fiber
- LCU
- Sync to TCSPC unit
- Diode laser driver: PDL Series (one channel version: PDL 800-D, multi-channel computer controlled version: PDL 828 "SEPIA II")
- Scan head
- Polarization, dichroic, or mirror filter
- PQ: VIS or FV31-BCOMB

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**Legend:**
- Filter
- Dichroic or mirror
- Polarization beam splitter
Detection Components
Olympus FV3000

Confocal

1) Anisotropy measurements are possible with special two fiber adapter.
2) Detection unit is available with up to four detectors.
3) Not needed with HydraHarp 400 and TimeHarp 260.
Components - Data Acquisition
Olympus FV3000

- Laser driver PDL Series
- TPE

- PMA Hybrid
- SPAD
- PMT

- Laser driver PDL Series
- TPE

- PMT detector
- PMA Hybrid
- SPAD

- Laser driver PDL Series
- TPE

- Monitor
- PicoHarp 300, HydraHarp 400 or TimeHarp 260

- Software
- SymPhoTime

- PC
- PicoQuant

- PC
- Olympus

- Line and frame sync from FV30-ANALOG
- Olympus LSM cable set

- Detection channel from router (if present)
- Sync cable

- Sync signal from
- Laser driver PDL Series
- TPE

- Signal from detector
- PMA Hybrid
- SPAD
- PMT

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