Excitation Components
Olympus FV1000 (MPE) and FV1200 (MPE)

- Laser diode head (LDH Series)
  - LDH 440
  - LDH 560
  - LDH 485
  - LDH 405
  - LDH 510
  - LDH 530
  - LDH 595
  - LDH 640

- Compact attenuator

- Laser combiner from Olympus

- LDH 375

- Pulsed diode laser driver
  - One channel version: PDL 800-D
  - Multi-channel computer controlled version: PDL 828 "SEPIA II"

- Sync to TCSPC unit

- External / non PQ pulsed laser, TPE

- Signal adapter

- Filter

- Dichroic or mirror

- Polarization beam splitter

Not possible in conjunction with PicoQuant pulsed diode lasers

Scan head

Microscope

Data acquisition

Microscope scan head

Exitation

Detection
Detection Components
Olympus FV1000 (MPE) and FV1200 (MPE)

NDD (Non-descanned Detection)

Confocal

1) Anisotropy measurements are possible with special two fiber adapter.
2) Detection unit is available with up to four detectors, NDD only with up to 2 detectors possible. No SPAD for NDD.
3) Not needed with HydraHarp 400 and TimeHarp 260.
Components - Data Acquisition
Olympus FV1000 (MPE) and FV1200 (MPE)

- Laser driver PDL Series
- TPE

- PMA Hybrid
- SPAD
- PMT

- line and frame sync from LSM controller
- sync cable from PicoHarp 300, HydraHarp 400 or TimeHarp 260
- detection channel from router (if present)
- monitor
- router cable
- sync cable
- signal cable

Software

SymPhoTime

package 1: for FCS
package 2: for FLIM
package 1+2: complete (FLIM and FCS)

PC

Olympus

PicoQuant

PicoHarp 300, HydraHarp 400 or TimeHarp 260

Sync

Detection

Data Acquisition

Microscope Scan Head

All Information given here is reliable to our best knowledge. However, no responsibility is assumed for possible inaccuracies or omissions. Specifications and external appearances are subject to change without notice. Trademarks or corporate names are used for explanation and identification, to the owner’s benefit and without intent to infringe.

© PicoQuant GmbH, April 2016