Excitation Components

Nikon C1si

Nikon C2 with Lu4 Laser combiner

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Nikon spectral detector is not necessary, only the scan head must be of the Nikon C1si type.
Detection Components
Nikon C1si

1) The fiber exit port can create slight backreflections which are however in most applications not visible in the lifetime histogram.
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

Nikon C1si

- Nikon C1si
- sync signal from Laser driver PDL Series
- sync cable
- Detection channel from router (if present)
- router cable
- line and frame sync from LSM controller
- Nikon LSM cable set
- signal from detector
  - PMA Hybrid
  - SPAD
  - PMT
- sync cable
- PicoHarp 300, HydraHarp 400 or TimeHarp 260
- monitor
- monitor
- software SymPhoTime
- package 1: for FCS
- package 2: for FLIM
- package 1+2: complete (FLIM and FCS)
- PC PicoQuant
- PC Nikon
- PicoQuant, HydraHarp 400
- PicoQuant or TimeHarp 260
- PicoQuant software

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