Excitation Components
Nikon C2+ with LUN laser combiner

Nikon spectral detector is not necessary, only the scan head must be of the Nikon C2+ type.
Detection Components
Nikon C2+

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 C2+

sync signal from Laser driver PDL Series

detection channel from router (if present)

line and frame sync from LSM controller

signal from detector - PMA Hybrid - SPAD - PMT

cable set

sync cable

router cable

Nikon LSM cable set

PicoHarp 300, HydraHarp 400 or TimeHarp 260

sync detection

cable

PicoQuant PC

monitor

PC Nikon

Software SymPhoTime

package 1: for FCS

package 2: for FLIM

package 1+2: complete (FLIM and FCS)