



Full Set of FLIM Cards with PCI Express Interface Available

December 2016 - Becker & Hickl have released a full set of PCI Express cards for TCSPC FLIM system. The set consists of one or two SPC-160pcie TCSPC / FLIM modules and a DCC-100pcie detector controller. For the bh DCS-120 scanners or for customer-specific galvanometer scanners a GVD-120pcie scan controller can be added to the system.

The system works with all the commonly used confocal and multiphoton laser scanning microscopes, and with the bh DCS-120 confocal and multiphoton systems. It records single and dual-channel FLIM, FCS, multi-wavelength FLIM, Z-stack FLIM, lateral mosaic FLIM, ultra-fast time-series FLIM and, for the DCS-120 system, simultaneous FLIM/PLIM.

Online FLIM is available up to an image rate of about 10 images per second. The system is using 64-bit data acquisition software. Images as large as 2048x2048 pixels and 256 time channels can be recorded. The electronic time resolution of the SPC-160pcie is 2.5 ps rms, the minimum time channel width is 813 fs.

Attached, for reference is the SPC-160 PCIE data sheet.

