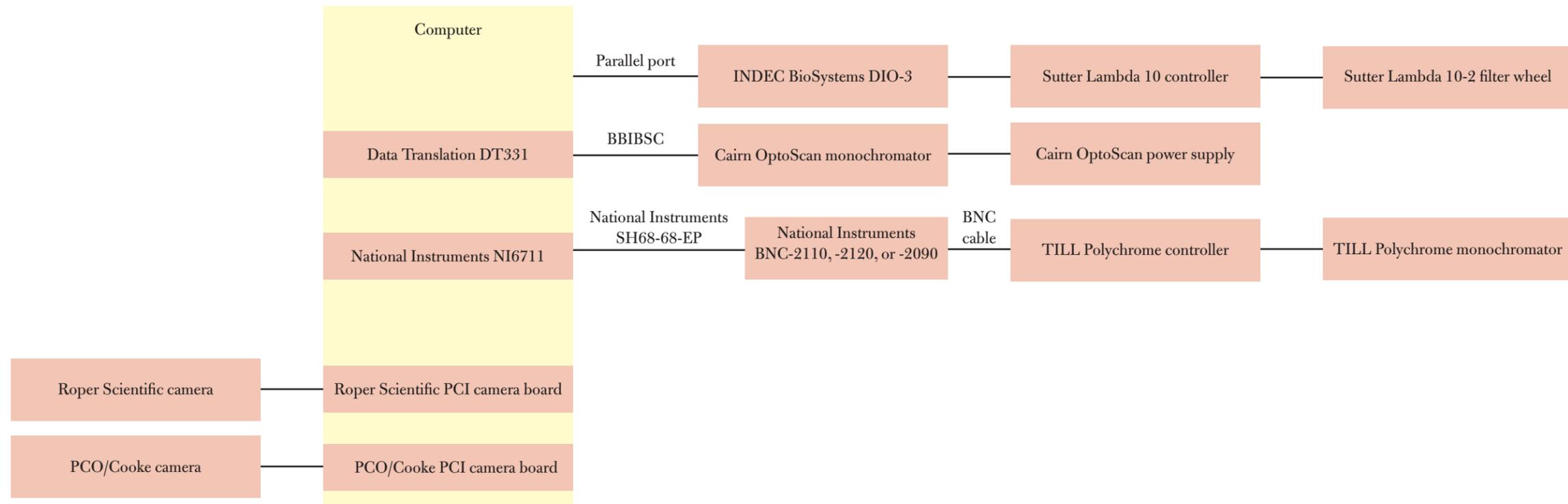


INDEC BioSystems Imaging Workbench Configuration for New Systems



Computer

The computer should have a minimum of an Intel Pentium III 1GHz or equivalent, with a minimum of 512M bytes of memory and a 7200RPM or faster hard drive.

The computer operating system can be any of Microsoft Windows 2000, XP, 98, or Millennium. Microsoft Windows XP and 2000 are recommended.

Roper Scientific Cameras

Any current Roper Scientific camera with a PCI bus interface is supported. Older (non-current) Roper cameras may be supported if appropriate device drivers are available from Roper. Roper cameras without a PCI bus interface are not supported.

PCO/Cooke Cameras

The PCO/Cooke SensiCam series is supported. The SensiCam VGA, SVGA, and QE cameras with a PCI bus interface are supported. Support is not yet available for the forthcoming PCO/Cooke 1600, 2000, and 4000 cameras.

TILL Polychrome

The TILL Polychrome is supported through a National Instruments NI PCI-6711 interface. A National Instruments SH68-68-EP cable (available in 1, 2, 5, or 10 meter lengths) and a National Instruments BNC breakout panel (model BNC-2010, BNC-2120, or BNC-2090) are required, along with a BNC cable to connect breakout panel to the TILL Polychrome. Please note that any electrically equivalent arrangement for connecting the PCI-6711 to the Polychrome is acceptable. For example, a custom cable could be

constructed. However, future versions of Imaging Workbench may take advantage of more analog and digital outputs available on the PCI-6711 for more sophisticated synchronization and control.

Cairn OptoScan

The arrangement shown is for a Cairn OptoScan monochromator without a controller. If a Cairn controller is supplied, Cairn will supply the appropriate cables.

The cable from the Data Translation DT331 to the Cairn OptoScan monochromator is a special cable supplied by INDEC BioSystems, designated part BBIBSC.

Sutter Lambda 10-2

The Sutter filter wheels are controlled using a standard 25-pin PC parallel (printer) port.

If the imaging system also runs Axon Instruments pClamp, the pClamp parallel port dongle cannot be on the same parallel port as the cable to the Sutter Lambda 10-2 controller. The computer must be equipped with a separate parallel port for the pClamp dongle. Generally, the pClamp dongle is connected to the built-in parallel port on the system motherboard, while the Sutter Lambda 10-2 is connected to a PCI bus board containing an add-on parallel port.