

SP245

The Choice for High Speed Data Acquisition Applications

- Low dark noise and stray light
- Flexible optical input direct to slit or via fiber
- Designed from the ground up for a wide range of applications
- High speed data acquisition
- Standard design allows up to 200 - 1050 nm range
- USB 1.1/2.0 interface with 16bit
- Supports up to 8 USB multi-channel configuration
- NEW UV enhancing coating



| Full Specifications

Detector :

Sony ILX511 (UV Enhanced Coated)

- ▶ Number of Pixels : 2048
- ▶ Sensing Pixel Size : 14 μm X 200 μm
- ▶ Sensitivity : 180 V/(lx s)@660 nm
- ▶ Well depth : 62,500 e-

Wavelength Range : 200 – 1050 nm

Dark Noise RMS : < 35 RMS @35 msec

Signal to Noise Ratio : > 250:1

Fiber Coupler : SMA905 or FC standard

Order Sorting Filter : Longpass filter or linear variable filter installed per wavelength coverage

Optical Resolution : 0.3 – 10 nm depending on the slit and grating choices

Stray Light Level : < 0.1% AVG

Computer Interface : USB 1.1/2.0 compatible

Min. Exposure Time : 1 msec

Trigger Mode : Free Run / Software Trigger / Hardware Trigger

Operation System : Windows 7/10/11 (32/64 bit)

SDK Support : Visual C++ / Visual Basic / LabVIEW

Slit Options : 5, 10, 25, 50, 100, 200 and 400 μm

Temperature Induced Shift : ± 1 pixels per ± 15 °C (Lower Thermal Expansion Option is available on request)

Dimensions/Weight : 90 mm X 70 mm X 44 mm / 0.4 kg