

SP304

The Choice for Low Signal Level NIR/SWIR Applications

- New Lower Pricing
- Scientific-grade high performance
- Extremely low dark noise and stray light
- Wide dynamic range and high signal to noise ratio
- High stability
- Flexible optical input direct to slit or via fiber
- Designed from the ground up for a wide range of applications
- High-speed data acquisition
- Various NIR/SWIR range from 900 - 2500 nm
- Auto shutter for dark condition



| Full Specifications

Detector :

Hamamatsu G9204-512 InGaAs Linear Image Sensor

- ▶ Number of Pixels : 512
- ▶ Sensing Pixel Size : 25 μm X 500 μm
- ▶ Cooling : Two-stage TE-Cooled(-20 $^{\circ}\text{C}$)

Wavelength Range : 900 - 1700 nm (IR range)

Dark Noise RMS : < 6 RMS @100 msec

Signal to Noise Ratio : > 15000:1 @100 msec

Fiber Coupler : SMA905 or FC standard

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

Optical Resolution : > 3 nm overall

Stray Light Level : < 0.01% @632 nm (< 0.05% 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 : 10, 25, 50, 100, 200 and 400 μm

Dimensions/Weight : 173 mm X 120 mm X 75 mm / 2.0 kg