BaySpec’s Super Gamut™ series UV-NIR spectrometers are designed to meet real-world challenges for best-in-class performance, long-term reliability, and compact size. Benefiting from experience manufacturing high-volume spectral monitoring devices for the telecommunications industry, BaySpec’s spectral devices utilize low-cost field proven components. For the first time in instrumentation history an affordable, accurate and ruggedized spectral device is a reality.

The Super Gamut™ UV-NIR Series employs a highly efficient concave holographic diffraction grating as the spectral dispersion element and an ultra sensitive CCD array detector as the detection element, thereby providing high-speed parallel processing and continuous spectrum measurements. As an input, the device uses a fiber optic input or slit optics arrangement based on customer preferences. The signal is spectrally dispersed with the holographic grating and the diffracted field is focused onto a CCD array detector. The control electronics read out the processed digital signal to extract required information. Both the raw data and the processed data are available to the host.

Key Features:

- Ruggedized and reliable with no moving parts
- Compact size and high efficiency
- Outstanding optical throughput is achieved with f/3 design
- Real-time spectral data acquisition with fast milli-sec response time
- Factory calibrated for long-life and low-maintenance
- 3 Programmable slit options, or fiber input
BaySpec’s "Spec 2020" software included, a Windows-based package with flexible data acquisition, processing and output functionality

BaySpec DLL/SDK, a DLL driver and a software development kit for new applications development and integration into your host software systems.


OEM Integration

Fiber Bundle Option

Optional Light Source

Part Number Selection:

```
UNIR - [ ] [ ] [ ] [ ] [ ]
```

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<th>Code</th>
<th>Ending λ</th>
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Note: fiber sold separately