

HummingBird™ Series

Best-selling Handheld UV-VIS-NIR Spectrometer
Display/ Raman/ Semiconductor Thin-film Inspection
Biomedical Detection
Optical Coherence Tomography (OCT)
Environmental Monitoring (Water and Gas)



- 3D folded Czerny-Turner cavity design - low size & weight with excellent performance
- Rigid optical bench optimized for shock and vibration performance
- Excellent thermal ($<0.04\text{nm}/^{\circ}\text{C}$) and humidity cycling stability
- Operating wavelength range configurable within 180 nm to 1100 nm
- FWHM resolution 0.3 nm to ~15 nm, dependent on spectral range, grating & slit width
- Choice of 3 linear sensor and 20+ gratings enables optimized designs
- Supports continuous high-speed & multiple exposures and trigger modes.
- Proprietary stray light calibration algorithm (stray light can be eliminated to 0.01%)
- On-board CPU supports optical and color parameters calculation
- Supports 2/4/8 pixel-binning mode to increase sensitivity
- Compact dimension: 83(L) x 75.5(W) x 26.75(H) mm
- Industry-standard SMA-905 connector, FC/PC optional
- Free SpectraSmart spectral measurement software, Windows SDK and example code
- USB 2.0 & UART interface