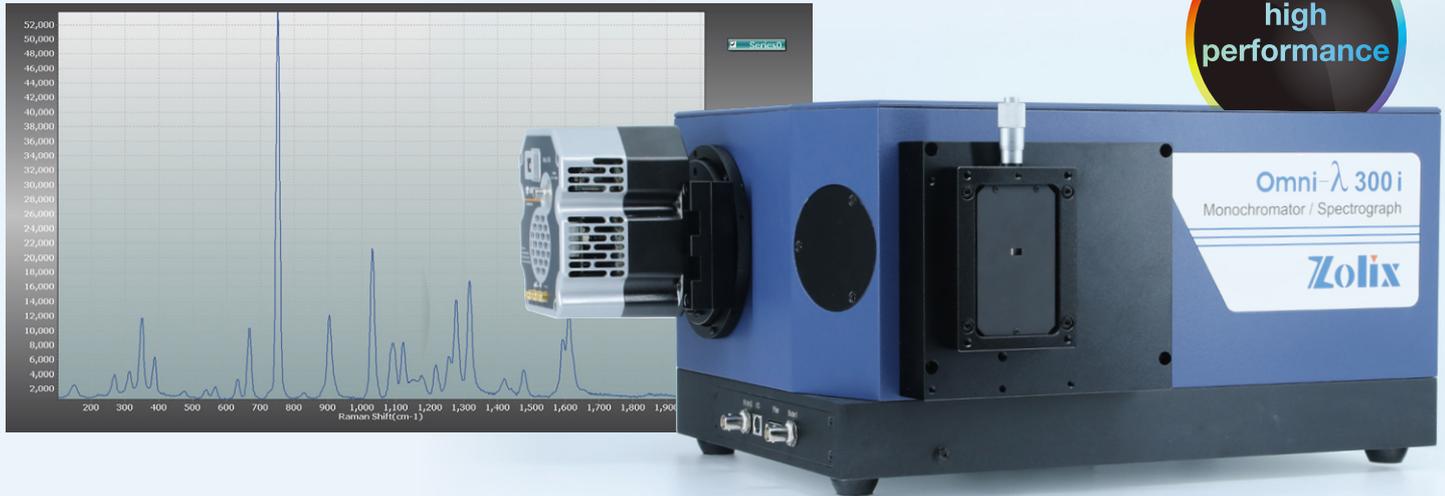


# Omni-λ3008i-iVacN

## Ultra-high performance scientific research CCD spectrograph

Perfect integration of high resolution spectromator and TE-cooled deeply CCD

Reliable  
high  
performance



Application: Fluorescence spectrum/ Raman spectrum/ Emission spectrum

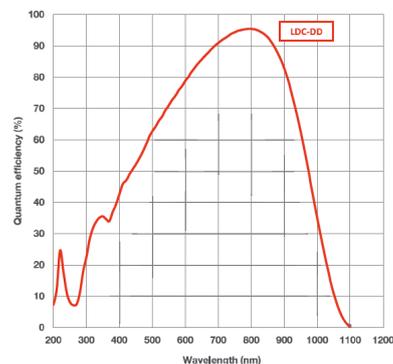
### Features

- Outstanding spectral image calibration;
- Extremely high wavelength accuracy;
- excellent stray light suppression;
- Featuring spectrum connection, the spectrometer can achieve not only wide spectrum range but also high resolution.

Aperture Ratios	F/4.2
Stray light	$1 \times 10^{-5}$
Slit	Width:0.01-3mm(Motorised or manual slit)
Grating Size(mm)	68×68
Grating Mount	Interchangeable triple grating turret
Active pixels	2000×256
Pixel size(μm)	15×15
Output register saturation	300,000e-
Maximum spectra per sec	181
Read noise	3e-
Dark current	0.1e-/pixel/sec

### Specifications

- Permanent vacuum integrity, critical for deep cooling(-60°C @ ambient temperature of up to 25°C)
- Peak QE up to 95% @780nm
- Greater band-pass capture in 1 single shot(30mm wide sensor)
- High resolution 15μm pixel format
- 10x lower dark current for low dark current deep-depletion, LDC-DD compared with traditional back illuminated deep-depletion BI-DD sensors
- Single window design, delivers maximum photon throughput
- Simple USB2.0 connection



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**Zolix**