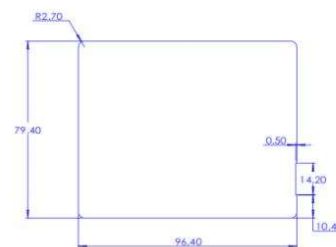


Gino IoT Spectrometer



IoT Design Ethernet data transmission

- Integrated Design** The Gino features a built-in operating system, storage, and display, allowing for standalone operation without the need for a computer.
- Low Stray Light** The Gino ensures high spectral purity and accuracy, making it suitable for precise applications.
- IoT-Ready** The Gino supports Gigabit Ethernet, HDMI, and Micro-SD, enabling remote data transmission, 10-Gigabit communication, and data acquisition at speeds of up to 2000 fps.
- Customizable Development** The Gino runs on Debian 4 Linux and supports QT+C++ and Python, providing flexible customization options for various applications.



*Product dimensions are subject to change without notice.

Product Specifications

Model	Pixel Channels	Stray Light	Integration Time	Readout Noise	Dynamic Range	SNR	Wavelength Drift	Weight
Gino	2048 pixels	< 0.1%	6 μ s-65 s	\leq 30 RMS	3000: 1	380: 1	0.1pixel/°C	370g

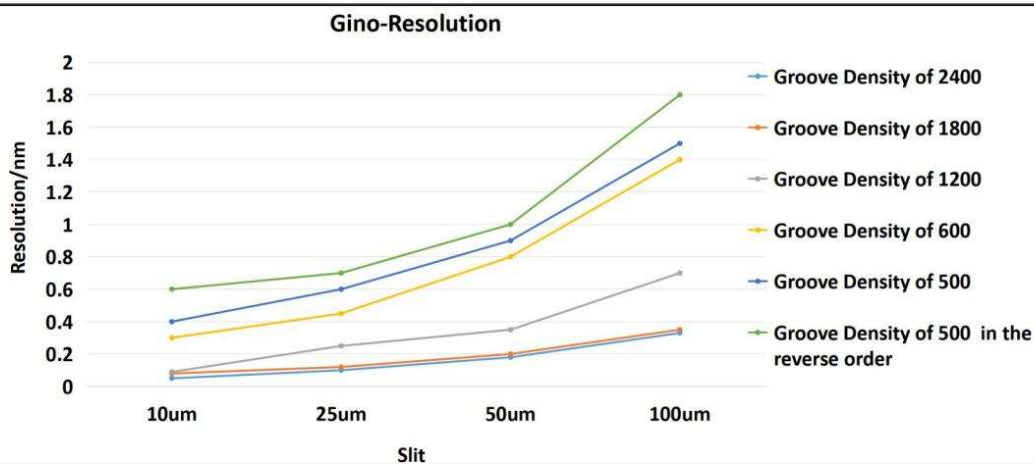
Pre-Configured Product Specifications

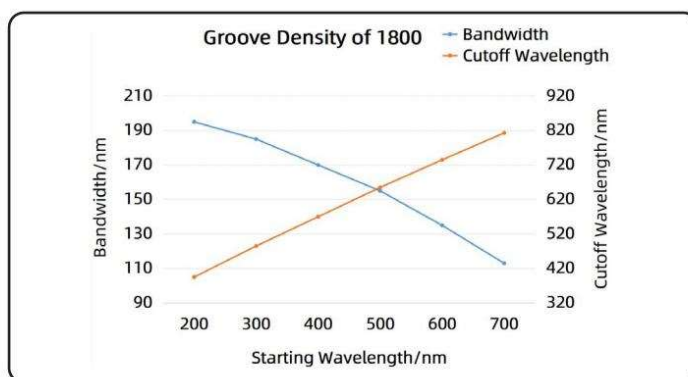
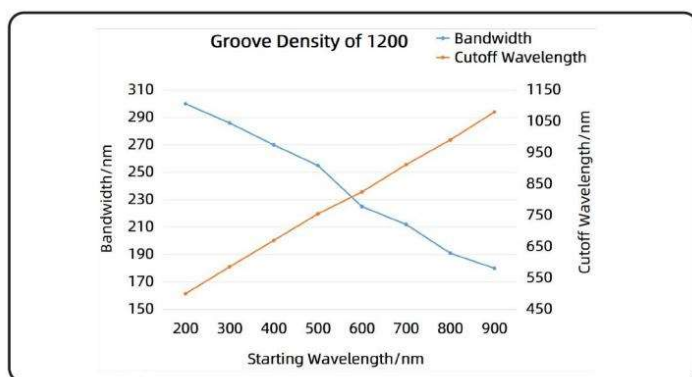
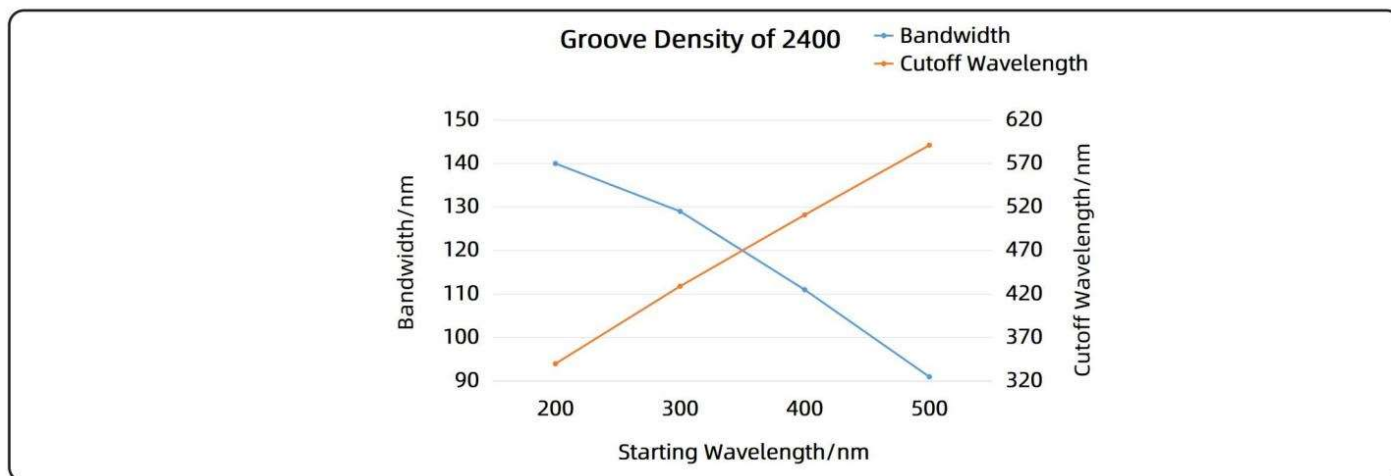
Model	Starting Wavelength	Cutoff Wavelength	Resolution
			25 μ m
Gino	200	1100	1.00
	200	800	0.80
	350	970	0.80

*4096 Pixel Customizable.

*The actual spectral resolution is expected to exceed approximately 120% of the nominal value.

*The spectrometer can be customized based on customer requirements for spectral range, resolution, and other parameters.





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Applications

Agricultural Sector

By measuring the reflectance spectrum of plant leaves, it is possible to assess crop health, growth status, and the extent of pest and disease impacts. This is widely applied in crop monitoring, soil quality assessment, and agricultural product quality testing.

