

Spectra Processing Unit



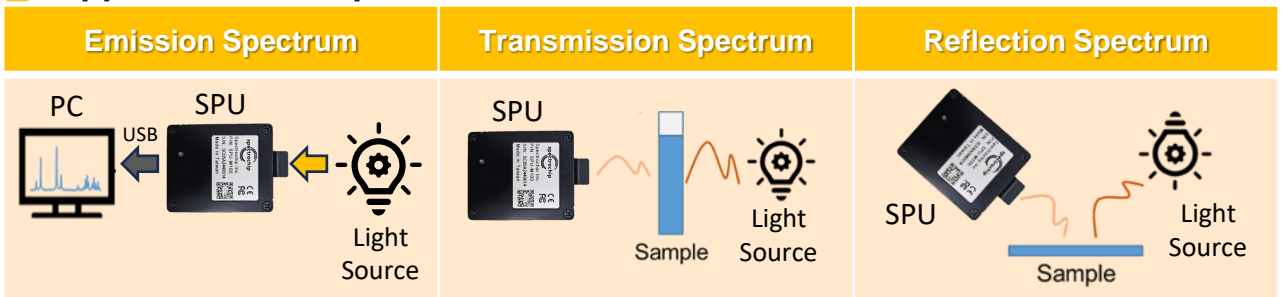
SPU-M100



Features

- USB connector to PC / Mac
- USB 3.0 compliant
- Plug and play
- Compact
- Open-source imaging software
- Compatible for all OS
- Broad wavelength range
- High spectral resolution
- Real time monitor
- Diverse applications (Optics, Medical...etc)

Application Examples



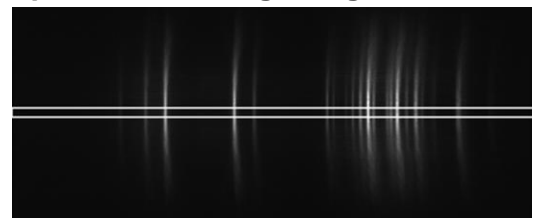
Model Number	SPU-100
Wavelength range	300 ~ 1000 nm
Spectral Resolution	5 nm
Spectral Accuracy	+/- 0.375 nm
Stray light	0.04 %
Image sensor	AR0144 Mono
A/D Conversion	12 bits
SNR _{max}	6000 (38 dB)
Dynamic range	6 x 10 ⁶ (68 dB)
Optical connector*1	SMA905 or Direct connect
Exposure time	2ms ~ 900ms
Gain	1 ~ 30 Level
Working temperature	5 ~ 35 °C
Connector type	USB Type-C
Dimensions (WxDxH) / Weight (module + holder)	53.3 x 38 x 13.31 mm ³ / 53 g

*1 Switchable to other types of optical connectors.

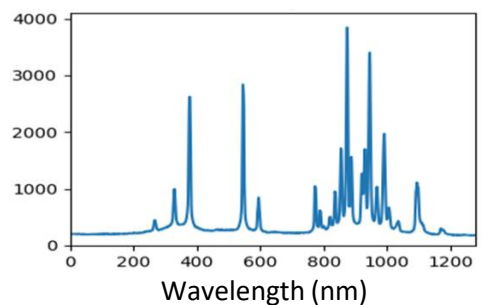
*2 Depending on system performance.

Illustration

High sensitive detection of atomic spectrum from Hg-Ar light source



Real Time Spectrum



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