



Product Line Card Microscope Applications

2025 V1

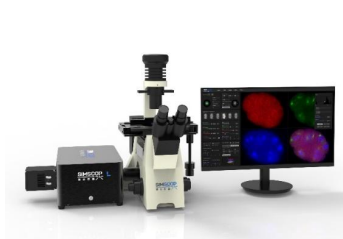
For customized projects please Contact us:

info@simtrum.com

Microscope Systems



**Point Scanning
Confocal Microscope**



**Line Scanning
Confocal Microscope**



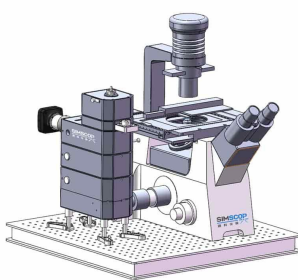
**Spinning Disk
Confocal Microscope**



**Structured Illumination
Microscope – SpinDisk SIM**



**Widefield/confocal upright
Raman, PL, fluorescence
multifunctional microscope**



**Widefield/confocal inverted
Raman, PL, fluorescence
multifunctional microscope**



**Industry Auto-Fluorescence
Microscope**

Microscope Accessories



Motorized Filter Wheel



FWR Motorized filter wheels



XY Microscope Stages



**Microscope and
Spectrometer Light Source**

Microscope Accessories



**Supercontinuum light
source 450-2400nm**



**Narrow Linewidth
Diode Lasers**



**Multi channel
Multi-mode laser**



**Multi channel
Single-mode laser**



**High Sensitivity
Photodiode Detector**



**High Sensitivity Silicon
photomultiplier (SIPM)**



**High Sensitivity
Photomultiplier Tube**



**Si-APD Ultra-sensitive
photodetector (VIS-NIR)**



**High Sensitivity sCMOS
Camera**



**SW/MW/LWInfrared
Cameras**



**In-vacuum CCD
Cameras**



**Solar Blind UV
Imaging**

Microscope Accessories



Optical Heating & Cryo Stage

- Temp: -190°C to 1200°C
- Prob pin resolution 1nm



X-ray/XRD Heating & Cryo Stage

- Temp: -190°C to 1200°C
- Prob pin resolution 1nm



Electrical Probe Temperature Stage



Adjustable Electrical Probe Station- Manual



Spatial Light Modulator



VUV Light Sources



Single-photon time counter



AOM/AOTF AOD/EOM

Other Systems



Maskless lithography UV laser writer



Laser Doppler Vibrometer



Multi-Point LDV



OCT Imaging System

Spectrometers 200nm to 2.5 μ m



Standard Spectrometer
200-1100nm



**High Sensitivity UV
Enhanced Spectrometers**



**BSI Cooled High Sensitivity
Spectrometers**



Near Infrared Spectrometer
900 – 2500nm



**Large NA High Sensitivity
Raman Spectrometer**



Multi Channel Spectrometer



VUV/UV Spectrograph

Raman spectrometer 532/780/1064nm



**Handheld Raman
Spectrometer**



**OEM Handheld Raman
Spectrometer**



**Portable Raman Systems -
Research Edition RMT KY**

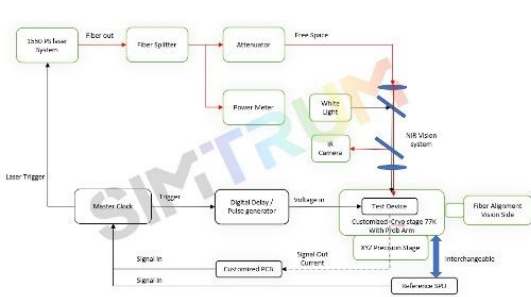


**Portable Raman Systems -
Industrial Edition RMT GY**

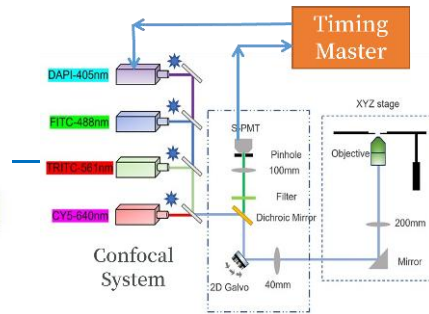


**Portable Raman Systems -
Food and Drug Edition RMT SY**

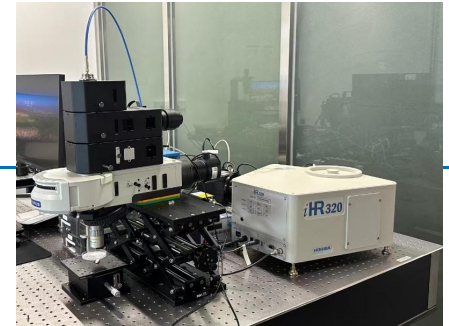
Solutions



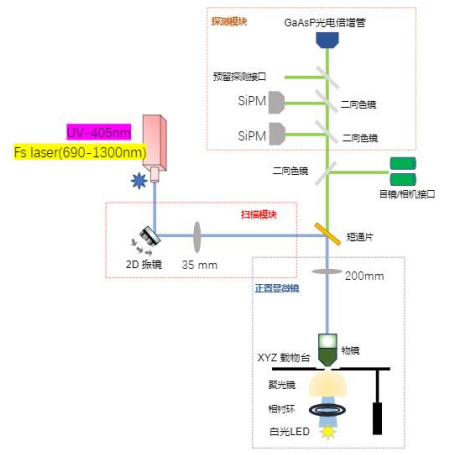
TCSPC System for SPAD (APD) Testing Solution



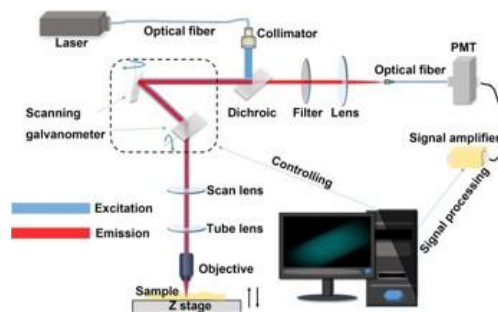
Fluorescence Lifetime Imaging Microscopy



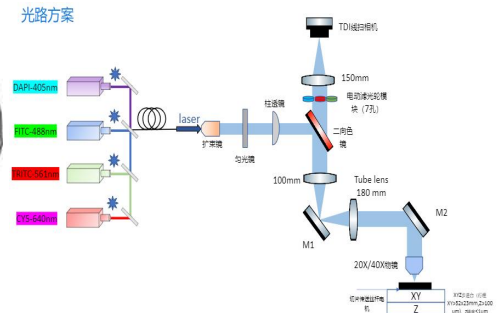
Custom Raman microscope based on Horiba



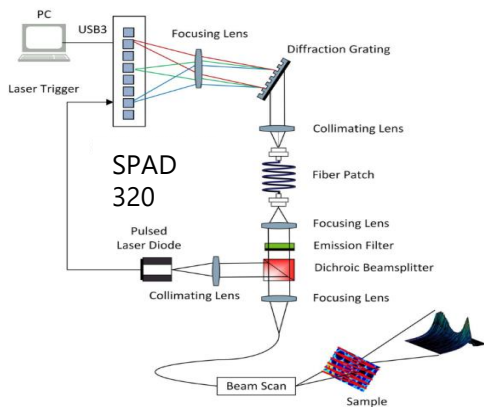
Multi Photon Microscope



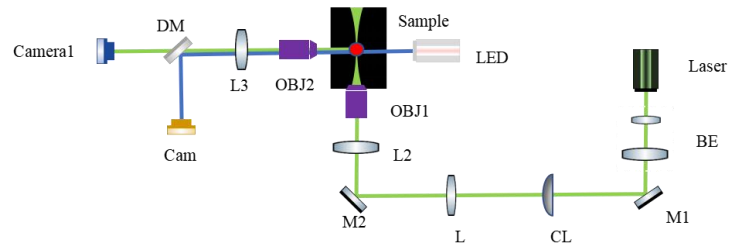
NIR Confocal Spectroscopic Microscopy (Near Infrared I/II Confocal)



Whole-slice fluorescence pathology line scanner



New Line Array SPAD Time-Gated Raman Solution



Light Sheet Microscopy

*For more application cases, please refer to the website www.simtrum.com