



Technical Specifications



StellarSCOPE and StellarSCOPE-Auto Mapping Systems for Microscopy



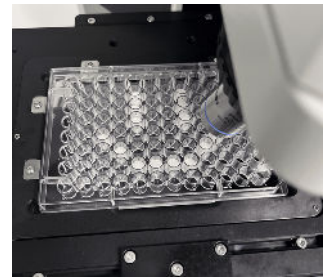
Couple StellarNet spectrometers and light sources to high-performance microscopes

Perform Raman, Fluorescence, Film Metrology, and CIELAB color measurements on a micro-spot and capture high-resolution images, video, and time-lapse video.

Systems equipped with an Olympus research microscope with 4, 10 and 40x objectives, CMOS 1.3 Mpixel camera, optical switch, and required SMA couplers and attachment accessories for your specific application.

StellarSCOPE-AM (Auto Mapping) Software: StellarPro

User Selectable: wavelength, image dimension or well plate #, step size
Fast 12x12 image or >2k pixel imaging



NEW - StellarSCOPE-AM for Auto-Mapping Microscopy Integrated with StellarPro Software

StellarSCOPE System Specifications

Optical System	UIS2 (Universal Infinity-corrected) optical system for Raman, Fluorescence, Colorimetry, Thin Film Metrology	
Illumination	Built-in transmitted Koehler illuminator LED Lamp or determined by spectroscopy application	
Focusing	Stage Z height movement by roller guide (rack & pinion) Stroke per rotation: 36.8mm Tension adjustment on coarse focus adjustment knob	
Measurement Stage	StellarSCOPE Size: 188(W) X 134(D)mm Movement range: 76mm X-direction X 50mm Y-direction Specimen holder, Double slide holder, Rubber grip Equipped as standard	StellarSCOPE-AM 100x120mm Travel range 0.15um Microstep Resolution, <2um Repeatability, 85mm/s Max speed, USB Interface, StellarPro Software
Objectives	4, 10, 40x with working distance 18.5mm, 10.6mm, & 0.6mm, others available	
Camera	1.3 Megapixel resolution, image capture, video and time-lapse video modes	
Multi-Mode Feature	Easy adjustment switch between Camera Mode and Spectrometer Mode	