



The uScopeGX is a small whole slide polarizing scanner you can use in your workplace or home office. It uses Plan Achromatic 160mm 10x or 20x objectives to capture images from standard 1x2 or 1x3 inch glass slides. You can interactively browse slides with full control of focus and color. You can scan entire slides or regions of interest creating beautifully focused image sets. Adjustable motorized analyzer allows brightfield or cross polarization, with 90 degree rotation at one degree increments and a fixed polarizer.

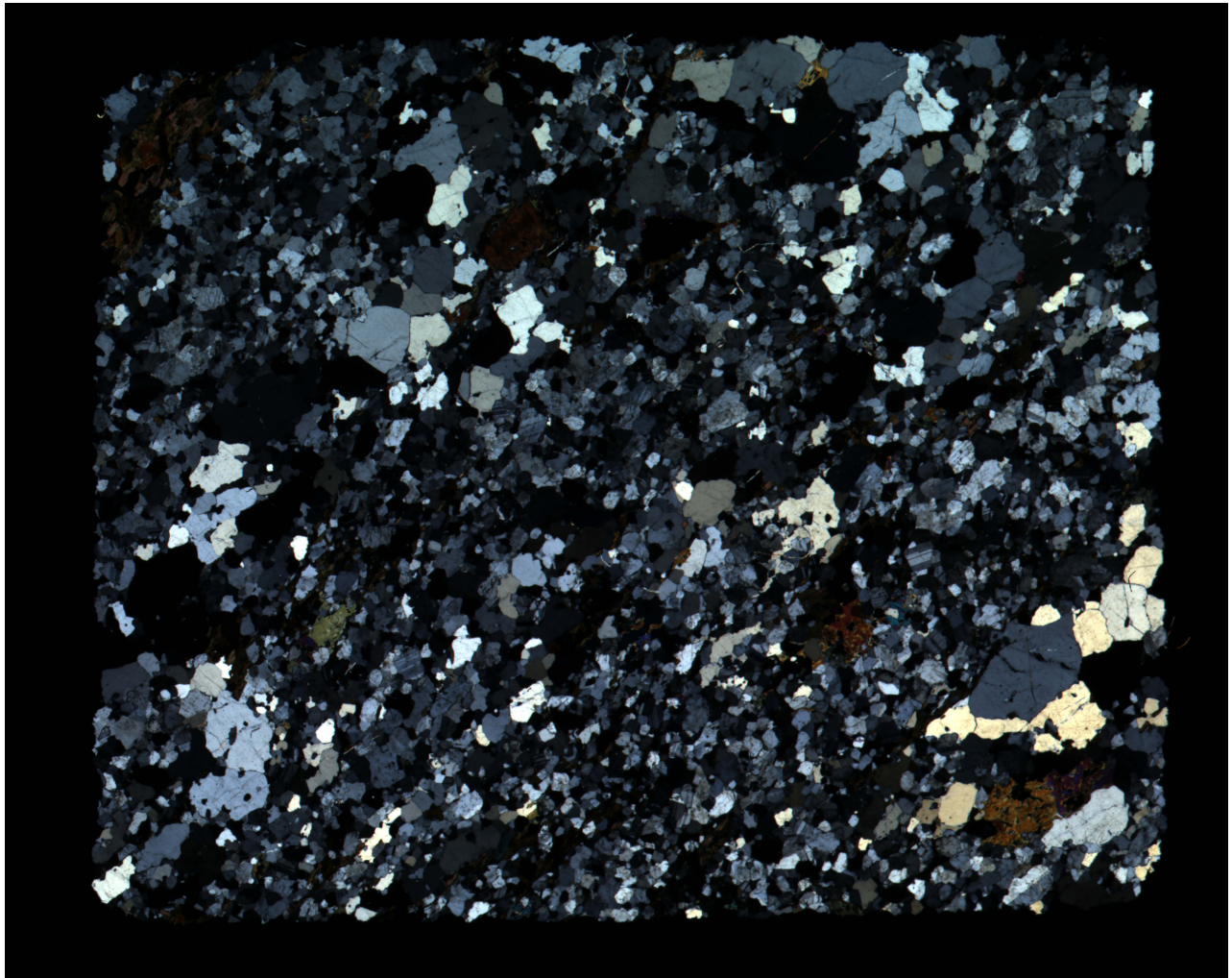
The industry-standard USB interface makes it simple to plug in and start capturing images. It easily interfaces with a high-performance desktop or laptop PC and can capture slide images in a wide variety of formats.

User-defined filter sequences enable you to apply multi-step image enhancement filters (brightness, contrast, look-up tables, gamma control, sharpness, smoothing, and flat field correction) to captured images or image sets.

Geologists or anyone needing to scan birefringent samples will love the ease of use and small size.

Every uScopeGX comes with a one year warranty and includes one-year of software updates which you may extend annually.

The uScopeGX is manufactured in the United States.



Features & Benefits

• Overview and Objective Cameras

The uScopeGX has an objective 5 megapixel camera for scanning and an overview camera for navigating.

• Automatic Focus

Images are automatically focused using configurable focus algorithms.

• Portability

At a weight of 6 lbs., the uScopeGX is highly portable.

• Easy to Use

The uScope Navigator software simplifies scanning and browsing.

• Self-Contained

The uScopeGX is self-contained and includes the electronics, cameras, stage, and optics in a device about the size of an external disk drive.

• Full Imaging Control

Filters provide control of image processing and correction.

Configurations

Part Number	Description
uScopeGX-10	uScopeGX Digital Microscope 10x (0.25NA) ∞ Objective
uScopeGX-20	uScopeGX Digital Microscope 20x (0.40NA) ∞ Objective

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Technical Specifications

Dimensions

- Width: 7.75 in. (19.7cm)
- Height: 6.67 in. (19.9 cm)
- Depth: 10.63 in. (27.7 cm)
- Weight: 9.3 lbs. (5.4 kg)

Connectors

- Power: 1.5A, 12VDC
- Communications: USB 2.0

Operating Parameters

- Slide Capacity: Single Slide
- Illumination: Dual LED (White)
- Overview Camera: 1920x1080 or 960x540
- Slide Camera: 1920x1080 or 960x540
- Pixel Resolution:
 - 20x (0.40NA)
 $\approx 0.50\mu\text{m}/\text{pixel}$ @ 960x540
 $\approx 0.25\mu\text{m}/\text{pixel}$ @ 1920x1080
 - 10x (0.25NA)
 $\approx 1.00\mu\text{m}/\text{pixel}$ @ 960x540
 $\approx 0.50\mu\text{m}/\text{pixel}$ @ 1920x1080
- Image Format: JPEG (Q90)
- Image Capture:
 - Single Image,
 - Tiled Images,
 - Overlapped Images,
 - Underlapped Images
 - Deep Zoom Image.

Operating Requirements

- Line Voltage: 100VAC - 240VAC
- Line Frequency: 50Hz - 60Hz
- Operating Temperature: 50° - 95° F (10° - 35° C)
- Storage Temperature: 10° - 105° F (-12° - 40° C)
- Relative Humidity: 0% - 80% non-condensing

