

uScopeMXII

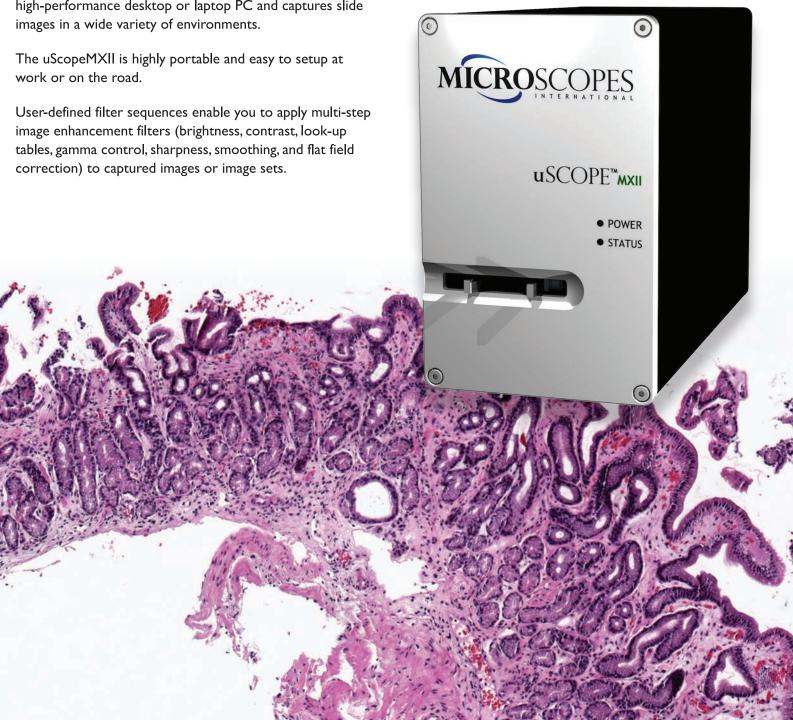
The uScopeMXII is a small digital desktop microscope you can use in your workplace or home office. It captures images from standard glass slides and sends them to your PC. You can interactively browse slides with full control of focus, image processing, and location. You can also scan regions of interest creating fully focused image sets.

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 captures slide images in a wide variety of environments.

Deep zoom image sets, which allow you to zoom in and out and navigate large slide scans, are easily created.

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

The uScopeMXII is manufactured in the United States.



Features & Benefits

Overview and Objective Cameras

The uScopeMXII has one objective camera for scanning and one overview camera for navigating.

Automatic Focus

Images are automatically focused using several user-configurable focus algorithms.

Portability

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

Speed

The uScopeMXII is fast. At 20x, it can scan a 15mm×15mm area (2,900 fields) in about six (6) minutes.

Easy to Use

The uScope Navigator software simplifies scanning and browsing.

Self-Contained

The uScopeMXII 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.

Part Number	Description
uScopeMXII-20	uScopeMXII Digital Microscope 20x (0.40NA) 160mm Conjugate Objective
uScopeMXII-40	uScopeMXII Digital Microscope 40x (0.65NA) 160mm Conjugate Objective
uScopeMXII-60	uScopeMXII Digital Microscope 60x (0.85NA) 160mm Conjugate Objective

Microscopes International, LLC 555 Republic Drive, Suite 100

Plano TX 75074

Phone: +1 (214) 382-2623 Email: sales@uscopes.com

Technical Specifications

Dimensions

- Width: 4.12 in. (104 mm)
- Height: 6.67 in. (199 mm)
- Depth: 8.84 in (224 mm)
- Weight: 6.0 lbs. (2.7 kg)
- Shipping Weight: I I.0 lbs (5.0 kg)

Connectors

- Power: I.5A, I2VDC
- Communications: USB 2.0

Operating Parameters

- Slide Capacity: Single Slide
- Illumination: Dual LED (White)
- Overview Camera: I920×1080 or 960×540
- Slide Camera: 1920×1080 or 960×540
- Pixel Resolution:
 - 20x (0.40NA)
 - ≈ 0.50µm/pixel @ 960×540
 - ≈ 0.25µm/pixel @ 1920×1080
 - 40x (0.65NA)
 - ≈ 0.25µm/pixel @ 960×540
 - ≈ 0.125µm/pixel @ 1920×1080
 - 60x (0.85NA)
 - ≈ 0.167µm/pixel @ 960×540
 - ≈ 0.083µm/pixel @ 1920×1080
- Image Format: JPEG
- Image Capture:
 - Single Image,
 - Tiled Image,
 - Overlapped Images,
 - Deep Zoom Image.

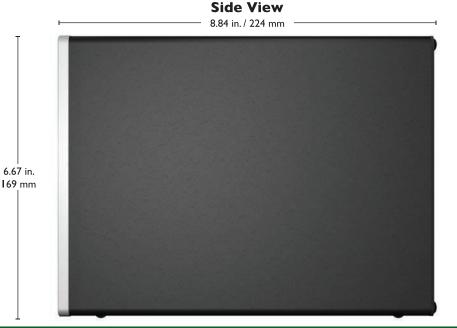
Operating Requirements

- Line Voltage: I00VAC 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

Front View

4.12 in. / 104 mm





6.67 in.