

Xtend-a-Scope™ 37M

For use with Digital Cameras

User Guide

Congratulations on your purchase of the Xtend-a-Scope™ 37M from Williams & Associates. It was designed with the digital camera user in mind.

Description

The Xtend-a-37M is a rugged, precision optical device. The body is machined from aluminum and the eyepiece is a 10X custom ground glass element consisting of two elements. The adapter should be used on microscopes with either a 23mm or 30mm barrel.

What's included in this package?

You should have received:

- This User Guide
- The Xtend-a-Scope 37M with 23mm and 30mm barrels (one barrel will be installed)

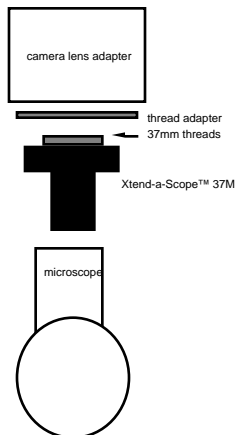
If you are missing any of these items, contact Williams & Associates for replacement.

Setting up the Xtend-a-Scope 37M to meet your needs

The adapter is designed to replace the existing eyepiece of a microscope and allow the connection of a camera through the use of an appropriate thread adapter. The Xtend-a-Scope 37M is supplied with a 37mm thread around the collar of the adapter. You will need an appropriate adapter with female 37mm threads to attach your camera. After ensuring that the proper lens barrel is installed (see below for procedure), the Xtend-a-Scope 37M should be installed in the microscope as shown in the picture below (left). The lens thread adapter should be attached by screwing it on the 37mm threads of the Xtend-a-Scope, and then the camera lens adapter attached. Finally, the camera should be attached. The procedure may vary slightly depending upon the type of camera used.

Changing barrels on the Xtend-a-Scope 37M

IMPORTANT! Follow this procedure to change barrels on the Xtend-a-Scope. Failure to do so could allow the lenses inside the Xtend-a-Scope 37M to fall out and be damaged.

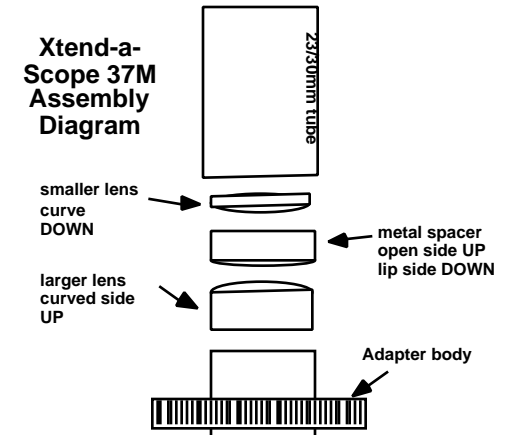


If you need to change the barrel of the Xtend-a-Scope 37M, you should start by orienting the unit as shown in the picture (above right) with the viewing end of the Xtend-a-Scope facing down. It is recommended that you place a soft dustless cloth on a table and then place the Xtend-a-Scope 37M on this cloth to prevent damage. Grip the knurled ring of the Xtend-a-Scope 37M with one hand, and the barrel of the unit in the other.

of the unit. Be careful when removing the barrel to not disturb the lenses inside the unit through sharp motions. Once the barrel has been removed, you may then insert the replacement barrel (23mm or 30mm) into the chamber of the unit, and attach by screwing clockwise. Ensure that the barrel is firmly seated in the unit before turning the unit right side up again.

Disassembly/Assembly

In the event you need to disassemble the unit for cleaning, use the diagram shown to help reorient the lenses and spacer. Note that the small metal spacer ring has an "open" side and a side that has a lip or flange. In the drawing shown, the open side is oriented UP and the flange down. Orient the lenses as shown for reassembly, ensuring that each lens is square to the body. When reattaching the barrel, screw it in about half way, recheck the assembly, and then continue to tighten the barrel until it is seated correctly.



Usage

Setup will vary by camera type. In all cases, you will need to use the LCD of the camera for framing and focusing. Some cameras will need to be set to manual, infinity, while others will work better in the Macro mode. You will need to experiment a bit with each camera, based on your microscope capabilities. If your microscope has a variable magnification capability, it may be necessary to reset the focus at different magnification levels.

Warranty

Your Xtend-a-Scope™ 37M is warranted to be free of manufacturing defects for a period of 90 days. If during that time, the unit becomes defective, it should be returned to the place of purchase for replacement. The manufacturer reserves the right to repair or replace defective units. Units still under warranty which are deemed to have been damaged through misuse will not be repaired or replaced. Units out of warranty will be repaired or replaced at a nominal fee by the manufacturer. Contact the manufacturer to arrange return and repair.

Thank you for your purchase of Xtend-a-View. We hope that it will provide you years of satisfaction, and enjoyment. Capture the moment.

See all the fine Xtend-a-System™ products at: <http://www.photosolve.com>

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