

# The Logical Interface

Supporting Science Educators since 1988

## MICROSCOPE CATALOGUE

### Digital Microscopes with USB output. From \$135.00 (Ex GST)

Our range of digital microscopes provide high quality digital microscopy. Simply connect to the USB of your PC, or Mac and control magnification and focus while maintaining clear and steady images. Ideal for use with your digital displays and interactive whiteboards.

#### Features

- Adjustable magnification: 20x to 200X models and 500X models.
- Continuous magnification without switching lenses
- Resolution: 0.3, 1.3 and 2 MP available.
- Built-in white-light LED illumination
- Frame rate: up to 30fps
- Capture single images, video and time-lapse video
- Includes DinoCapture Software



### TLI Digital Eye-Piece Cameras. From \$140.00 (Ex GST)

TLI Digital eyepieces are high resolution digital eyepieces, which replace traditional eyepieces in most biological and stereo microscopes. Simply connect to your USB for high resolution images on your computer. Combine with our TLI Scope software to take measurements, annotate and count. Ideal for use with your digital displays and interactive whiteboards.

#### Features

- Resolution: 0.3MP, 1.3 MP, 3.0 MP or 5 MP models
- Frame rate: up to 30fps
- Interface: USB
- Capture single images, video and time-lapse video
- Includes ScopePhoto Software



### Vi Tiny Hand Held Digital Microscope. \$250.00 (Ex GST)

ViTiny is a hand held, portable digital microscope with colour LCD and it's the same size as a mobilephone.

#### Features

- 1.8" colour LCD
- Magnification: 7X to 108X
- Built-in 3 white-light LED illumination
- Resolution: 0.3M pixels (640 x 480)
- Interface: High speed USB image transmission.
- Dimension: 12 cm x 5.6 cm x 2 cm
- Functions Image View, Image Zoom, Image Freeze



**Request our free Smart Guide to Digital Microscopes eBook from our website**

**[www.Microscope-Shop.com.au](http://www.Microscope-Shop.com.au) with great tips and sample experiments!**

**Prices in this catalogue are subject to change. Please contact us for latest pricing.**

# Inexpensive, quality microscopes for education

**Model TLI - 400:** This is an ideal entry level microscope. It provides excellent quality and value for money. The maintenance free Light Emitting Diode provides bright clean light.

- Monocular head with 45° inclination and rotatable through 360°
- Eyepiece : WF10X
- Objective : 4X, 10X, 40X(S) in Triple Nosepiece.
- Plane Stage with Slide Clips, Size : 90mmx90mm.
- Condenser : Single lens with disc diaphragm
- Coaxial Coarse and fine focus adjustment with lock.
- Illumination : Built in bright LED array. Powered by Plug Pack

**Price \$135.00 (Ex GST) \$148.50 (Inc GST)**



**Model TLI-300 Monocular Microscope:** This is an intermediate quality and economical microscope, ideal for junior and senior secondary school with fully coated optical achromatic objectives.

- Monocular head with 30° inclination and rotatable through 360°
- Eyepiece : WF10X
- Achromatic Objective : 4X, 10X, 40X
- Plane stage with slide clips.
- Condenser : Abbe N.A. 1.25 condenser with iris diaphragm and Filter Focusing
- Separate coarse and fine focus adjustment.
- Illumination : Built in Tungsten bulb 6V/20W. with brightness adjustment

**Price \$260.00 (Ex GST) \$286.00 (Inc GST)**



**Model TLI-128H Monocular Microscope:** This is a high quality and economical microscope, ideal for junior and senior secondary school with fully coated optical achromatic objectives.

- Monocular head with 30° inclination and rotatable through 360°
- Eyepiece : WF10X
- Achromatic Objective : 4X, 10X, 40X, 100X (Oil Immersion)
- Moving mechanical stage : 120mmx 125mm, moving range :60x30mm
- Condenser : Abbe N.A. 1.25 condenser with iris diaphragm and Filter Focusing
- Coaxial coarse and fine focus adjustment with lock.
- Illumination : Built in Halogen, or Tungsten bulb 6V/20W. with brightness adjustment

**Price \$418.00 (Ex GST) \$459.80 (Inc GST)**



**Model TLI - F6D Binocular Microscope:** An advanced educational binocular microscope offering four magnifications and fine focus control.

- Binocular head with 30° inclination and 360° rotation with WF10x paired eyepieces
- Interpupillary adjustment range : 55-75mm
- Achromatic Parfocal Objectives 4x, 10x, 40x (SL), 100x Oil Imm.
- Rack & Pinion focus system with safety stopper.
- Coaxial Coarse and Fine focus adjustment with lock. Focusing Range : 30mm
- Moving mechanical stage : 120mmx 125mm, moving range: 60x30mm
- Moveable Abbe N. A. 1.25 Condenser with Iris diaphragm
- Built in halogen, or tungsten Bulb 6V/20W.

**Price \$480.00 (Ex GST) \$528.00 (Inc GST)**



# Dissection Microscopes

**Model TLI - XTD1:** Ideal for primary and junior secondary science. This is a durable and cost-effective microscope. *This style of monocular, dissection microscope has been recommended by the Royal Microscopical Society and by Sydney University as ideal for introductory microscopy for children.*

## Features

- Monocular head inclined at 45°. Rotatable through 360° .
- WF 10X eyepiece with coated lens and 2 X objective.
- Pillar stand.
- Plane stage with clips.
- Working distance 80mm.

**Price \$135.00 (Ex GST) \$159.00 (Inc GST)**



**Model TLI\_700** Ideal for primary and junior secondary science. This is a durable and cost-effective binocular dissection microscope.

## Features

- Binocular head .
- WF 10X eyepiece with coated lens and 2 X objective.
- Pillar stand.
- Plane stage with Clips
- Working distance 60mm

**Price \$135.00 (Ex GST) \$159.00 (Inc GST)**



**Model TLI-6C-W Dual Magnification:** Dual Magnification Stereo microscope with a sharp stereo erect image over a wide field. *It is an economical, robust microscope suitable for junior and senior secondary schools.*

## Features

- Magnification 20x and 40X .
- WF 10X, 30mm diameter eyepieces with coated lens.
- One eyepiece tube with diopter adjustment and rubber eyeguards.
- Fine focus by rack and pinion motion.
- Light source: Transmitted & Incident light.

**Price \$320.00 (Ex GST) \$352.00 (Inc GST)**



## The ProScope Range now support iPads

The ProScope HR is a high resolution digital microscope with a 1.3 MP color camera. The lightweight yet tough construction easily fits in the hand of a child or adult. The user friendly software makes taking and managing images a breeze, yet includes powerful features such as video and time lapse photography. Now you will be able to capture changes that occur in biological, or chemical experiments using time lapse photography over seconds, minutes, or hours.

## Features

- 1/4 inch high resolution 1.3Mp color sensor
- USB 2.0
- Four possible magnifications 50X, 100X , 200 X and 400X and 1X to 10 X zoom.
- Lightweight, rugged construction easily fits in the hand of a child or adult.
- The user friendly software makes taking and managing images a breeze
- Includes powerful features such as video and time lapse photography.

**From \$350.00 (Ex GST) \$385.00 (Inc GST) Excludes lenses**



## TLI Digital Microscope Kit . \$250.00 (Ex GST)

This entry level digital microscope includes a TLI-400 microscope with a TLI 0.3 digital eyepiece. View slides at up to 400X magnification. Use as either a digital, or traditional microscope. Ideal for use with your digital displays and interactive whiteboards.

### Features

- Monocular head with 45° inclination and rotatable through 360°
- Eyepiece : WF10X
- Objective : 4X, 10X, 40X(S) in Triple Nosepiece.
- Plane Stage with Slide Clips, Size : 90mmx90mm.
- Condenser : Single lens with disc diaphragm
- Coaxial Coarse and fine focus adjustment with lock.
- Illumination : Built in bright LED array. Powered by Plug Pack
- Resolution: 0.3MP,
- Frame rate: up to 30fps
- Interface: USB



## Kit Specials **Contact us for pricing**

Our kits provide a cost effective way to get started with digital microscopy. Kit prices are around 10% cheaper than the combined price of the individual units.

### Includes

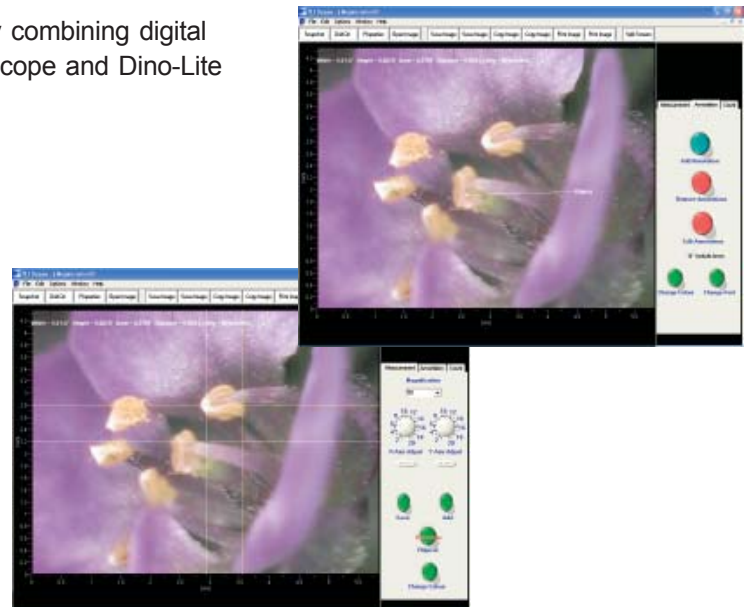
- Digital microscope 0.3 or 1.3 MP.
- TLI Digital Eyepiece 0.3, 1.3 or 3.0 MP.
- TLI Scope Software with Site Licence (Optional).

## TLI Scope Imaging Software **Price Including Site Licence \$140.00 (Ex GST)**

Turn your microscope into a powerful data acquisition tool by combining digital photography with TLI Scope software. For use with the Proscope and Dino-Lite digital microscopes and digital eyepieces.

### Features

- live and snapshot scale measurement
- split screen for image comparison.
- count mode for counting items in image
- annotation of images
- capture still images, video and timelapse video
- export to Excel



The Logical Interface is not just another importer of educational equipment. We design and make our own equipment and continue to expand our locally produced products. We understand teachers needs. The manager, Phil Jones, has taught physics, IT and science in Europe and in Australia. He has been a lecturer in the DipEd program at Sydney Institute of Education (Sydney University). He has a BSc(HONS), MSc(HONS), DipEd. He writes software in Visual Basic, C++ and Java Script. Phil is the author of many of the software titles sold through TLI. and regularly presents workshops to schools and universities around Australia