

CAMERAS

for MICROSCOPY



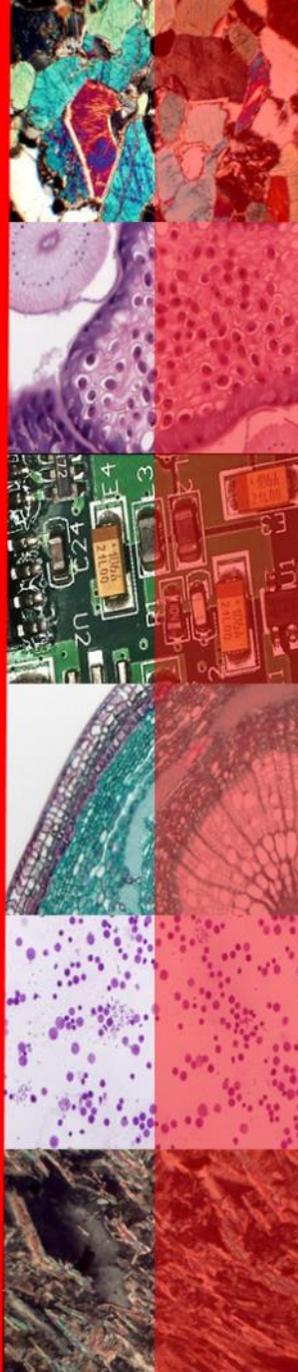
**GXCAM** C-Series Cameras

[www.gtvision.co.uk](http://www.gtvision.co.uk)

GX Microscopes, ultraZOOM, AV Series, iLUMos & GXCAM are GT Vision Brands

*specifications may vary as products are continually developed*

GT VISION



# GXCAM-C series



C-Mount



8MP

5MP

7yr

Warranty

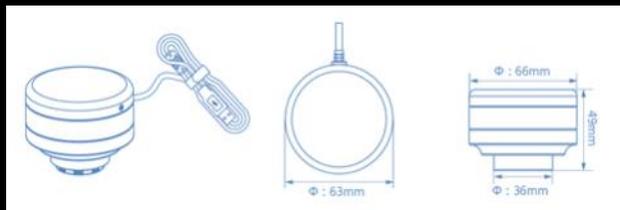
GxCapture-O Software



- Amazing Value
- Great Image Quality
- C-Mount
- Choice of 5 MP and 8MP
- Fast Live Output to USB
- Easy to Use
- Fully Featured GxCapture-O Software with image analysis and annotations

## GXCAM C-Series Models in the range

Product ID	Description
1173	GXCAM-C-5 5MP c-mount microscopy camera, USB, includes GxCapture-O software
1174	GXCAM-C-8 8MP c-mount microscopy camera, USB, includes GxCapture-O software



GXCAM-C-8 8MP camera mounted onto a biological upright trinocular microscope

## GXCAM-C Series USB Digital Microscope Cameras

These great value cameras are ideal for routine brightfield microscopy imaging tasks. The sensor characteristics and software make it suitable for both LED and halogen illuminated subjects. The cameras output a full resolution live image at 30 frames per second, the performance of the computer will affect the displayed rates.

Housed in a highly durable metal case these robust cameras are available in two resolutions of 5MP and 8.29MP (4K) delivering a crisp bright image with good colour reproduction.

Each camera is supplied with the superb GxCapture-O software (see software section for a full description) which provides fast image recording of stills and videos, image analysis and numerous annotation and image processing functions.

## SPECIFICATIONS

Parameter	Description
Outputs	USB (compatible with USB 2 or 3)
Resolution	GXCAM-C-5 - 2592 x 1944 (5,038,848 pixels) GXCAM-C-8 - 3840 x 2160 (8,294,400 pixels) = 4K
Sensor	GXCAM-C-5 - OnSemi 1/2.5" 2.2x2.2um pixel size Rolling Shutter GXCAM-C-8 - OnSemi 1/1.8" 2.0x2.0um pixel size Rolling Shutter  (output values given, actual display rates depend on computer)
Live Modes	All resolutions at 30 frames per second GXCAM-C-5 - 2592x1944, 1920x1080 and below GXCAM-C-8 - 3840x2160, 2592x1944 and below
Power	Powered by USB (5V)
White Balance	Automatic and Manual
Exposure	3.9ms-320ms Automatic and Manual
Dynamic Range	72db - 74.3db
Software	GxCapture-O

# Camera Accessories

## MICROSCOPE ADAPTERS

**NEW AFFORDABLE CAMERA ADAPTERS AMAZING VALUE!**  
**TO FIT ALMOST ALL CAMERAS AND MICROSCOPE MODELS**

GT Vision Ltd design, manufacture and supply the largest range of microscope camera adapters in Europe

**C-MOUNT MICROSCOPE CAMERA ADAPTERS**

**DSLR MICROSCOPE CAMERA ADAPTERS**

High Performance - Great Value - Expert Advice

**C-MOUNT CAMERA ADAPTER**  
 FOR A C-MOUNT CAMERA TO FIT ONTO ANY MICROSCOPE WITH A PHOTOTUBE WHICH IS NOT 23.2MM INTERNAL DIAMETER (THIS IS THE MAJORITY OF MICROSCOPES)

**GT VISION**

C-Mount Camera

Phototube on a trinocular headed microscope

**GXM GX Microscopes**

**Microscope Eyepiece Tube : C-Mount Camera Adapters**

These adapters allow you to attach any 'c-mount microscope camera' (see our GXCAM range) to any microscopes using these methods

- 1 into an eyepiece tube replacing an eyepiece (the most common use)
- 2 into a 'phototube:23.2 mm adapter' attached to the photoport of a trinocular microscope (Many GX Microscopes models have the 'phototube:23.2mm adapter' available)
- 3 into a 23.2mm photoport of a trinocular microscope (only a few microscope models have 23.2mm photoports)

We provide **camera adapters** for most types of microscope and most types of cameras. Please ask us if you cannot see the type of adapter you need or if you are uncertain. The most common type of camera that is attached to microscopes is a c-mount type requiring a c-mount adapter. The type of c-mount adapter you choose will depend on the camera sensor size and the microscope make and model. We also have our own range of DSLR microscope camera adapters. Some adapters are designed to fit the eyepiece tube of a microscope, others are designed to fit the photo-port/tube on a trinocular headed microscope.



C-Mount Extender 2x - Doubles the Magnification to the Camera



Camera Stands and Displays

Some cameras can be supplied with a 1/4inch tripod mount and we supply various stand mounting units including focus racks. Ideal for use with lenses and monozoom microscopes.

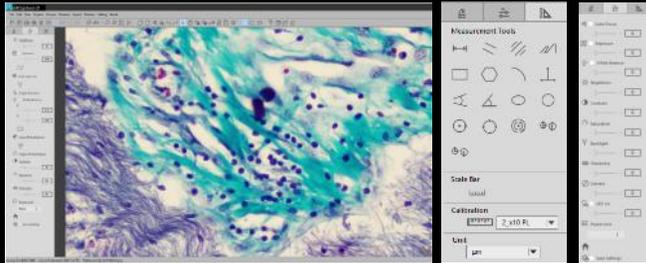


# Imaging Software



## SOFTWARE

Each GXCAM camera is supplied with imaging applications. It may be software that loads onto a PC or Mac for USB cameras, or a WiFi APP for your phone or IPAD, embedded software that appears on the HDMI output or specialist software for classroom teaching and comparison systems.



### GXCapture-O

Supplied for use with the USB output of these cameras:

- GXCAM-C series
- GXCAM-Eclipse series
- GXCAM-Modular series
- GXCAM-HiChrome-3.5

#### Functionality includes:

- Single, time lapse and video image capture
- Live image parameters (excl HiChrome-on HDMI)
- Image processing, annotations, calibration, scalebars and interactive measurements
- Reticle overlays
- Image stitching and extended focus
- Export reports to Word and Excel

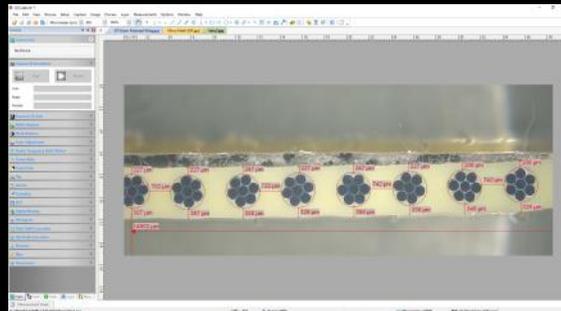
### GXCapture-T

Supplied for use with the USB output of these cameras:

- GXCAM HICHROME-HR4 series
- GXCAM-HICHROME-MET-AF series
- GXCAM-U3-Pro series

#### Functionality includes:

- Single, time lapse and video image capture
- Live image parameters
- Image processing, annotations, calibration, scalebars and interactive measurements
- Reticle overlays
- Image stitching and extended focus
- Export reports to Word and Excel



### GXCapture-WiFi APPS

Supplied for use with the WiFi output of these cameras:

- GXCAM-Eclipse series
- GXCAM-Modular series
- GXCAM HICHROME-HR4 series

#### Functionality includes:

- Single and video image capture
- Live image parameters
- Image processing, annotations, calibration, scalebars and interactive measurements



GT Vision are specialist suppliers of imaging software. Most of the cameras that we supply have comprehensive free software included and we integrate and supply many other types of software for automated image analysis and machine vision.

Many of our cameras are compatible with fully automated image analysis systems, micromanager and Image J and most can be supplied with Software Developer's Kits.

We can provide specialist support to OEM integrators and developers.

## DIGITAL CLASSROOM



# GT Vision

Europe's favourite microscope and microscopy camera supplier



A specialist team supporting the imaging community

GT Vision's team have a huge experience in the supply and support of scientific imaging and image analysis systems with over 15,000 installations worldwide.

All our cameras are carefully selected and specified. We make objective comparisons between batches and types of sensors before making our selection and have both internal and computer based software specially designed to meet our specifications.

- WiFi
- USB
- Gig-E
- HDMI
- SD-Card



TURN ANY MICROSCOPE INTO A DIGITAL MICROSCOPE



**YOUR LOCAL SUPPLIER:**

Visit our On-Line Store to see our full range:

[www.gtvision.co.uk](http://www.gtvision.co.uk)