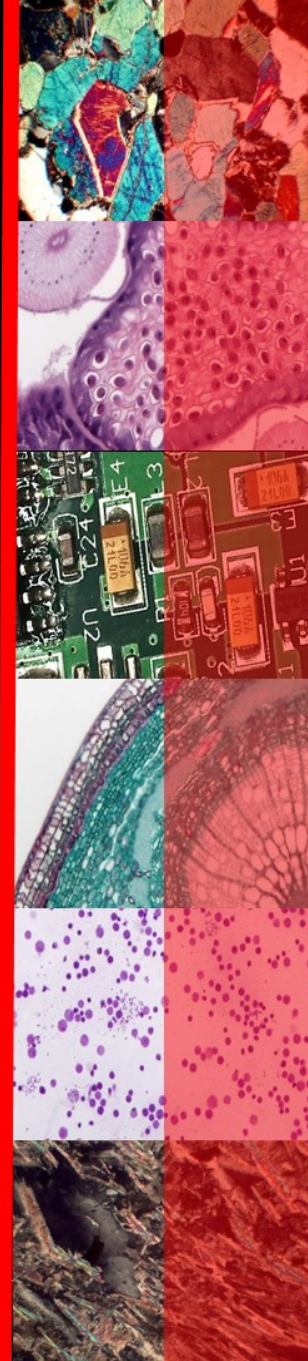


COMPARISON MICROSCOPE D-1000



GT VISION



GXMmicroscopes

www.gtvision.co.uk

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

specifications may vary as products are continually developed

D-1000

 2 WiFi Cameras  Zoom Optics  Long W.D.  Great Value  2 Yr Warranty  Lifetime Warranty Option



Digital Comparison Microscope
Product no.: D-1000

This extraordinary comparison microscope takes advantage of the very latest developments in digital comparison microscopy and imaging.

A conventional comparison microscope is a device used to analyse side-by-side specimens. It consists of two microscopes connected by an optical bridge, which results in a split view window enabling two separate objects to be viewed simultaneously. This avoids the observer having to rely on memory when comparing two objects under a conventional microscope.

With this new, digital version high resolution WiFi cameras replace the eyepieces and many of the optical functions are now performed in software with greater flexibility, convenience, speed, ease of use and ability to record images. The cameras output simultaneously via WiFi giving a dual live view on the computer.

- Two Built-in WiFi cameras providing live output to the controlling PC
- Top quality camera sensors matched with precision optics for outstanding image quality
- Full functionality software for merging, overlaying, splitting, measuring and so much more
- Multi-wavelength illumination
- Up to 715X magnification
- Full set of specimen and cartridge clamps and manipulators
- Stage, bridge, optics and holder multiple axis movements with precision controls.



SPECIFICATIONS

Parameter Description

COMPUTING & DISPLAY

A PC or Tablet and large display is required and is not included - do NOT use a Laptop - you need the power, graphics and upgradability of a desktop PC - We can supply this item fully configured if required
The PC requires a high speed WiFi receiver
Requires: Microsoft® Windows® XP / 7 / 8 / 8.1/10(32 & 64 bit)
CPU: Dual-core 3.0 GHz or better CPU
At least 1TB available hard disk space (SSD) Memory: 4GB or more
Wireless network card (supporting IEEE 802.11n/ac minimum)
Minimum at least one 4K resolution display monitor
High specification, high memory capacity fast processor graphics card suitable to power two 4k displays
(this specification will inevitably change over time - always ask for an updated specification)

IMAGING

Dual Live Digital Cameras with live output to PC via WiFi - the precise specification is constantly changing
Image Sensor: SONY IMX274 COMS Sensor Exposure mode: Rolling shutter
Maximum Resolution: 3840 x 2160 (8,294,400 pixels)
Sensor Optical Format: 1/2.5" Pixel Size: 1.62µm x 1.62µm
Dynamic Range: >80dB Spectral Characteristics: 380-650nm
Exposure Capability: Real-time auto, Single auto, Manual adjustment
White Balance: Real-time auto, Single auto, Manual adjust R G B separately
Recording format: Snapshots Picture Format: JPG Resolution: 3840x2160
Video Recording Video Format: MOV Resolution: 3840X2160@30FPS,2592X1944@30FPS,2548x1536@30FPS

OPTICS

Magnification Range: 57~715X
Dual Lens System Optical Magnification: 0.83X~10X Dual Lens System Optical Resolution: 5 microns
Dual Lens System Working Distance: 71.5mm Dual Lens System Field of View: 0.65x0.36 - 8.2x4.6mm

STAND, STAGES & SAMPLE HOLDERS

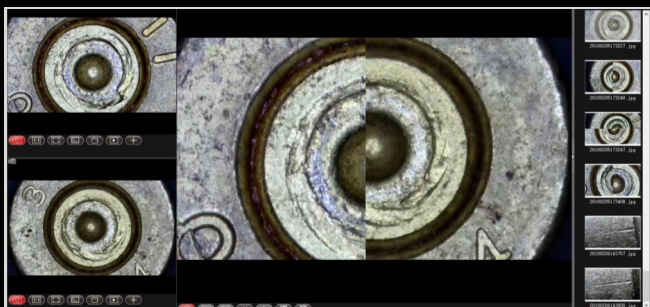
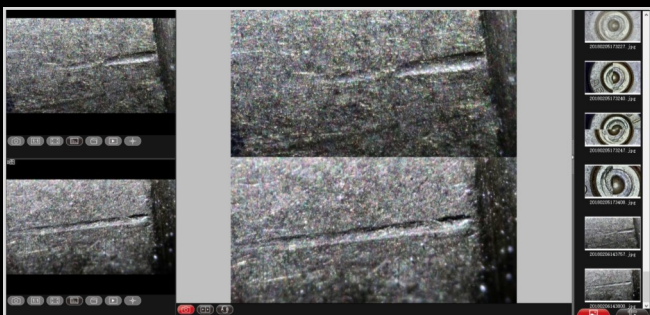
Dual cameras with attached optics are mounted on a dual arm stand
Stand has independent and linked focus and XY movement
Sample holders can also be tilted and rotated

ILLUMINATION

Provided by two gooseneck optical arms
Multi-wavelength, selectable LED light

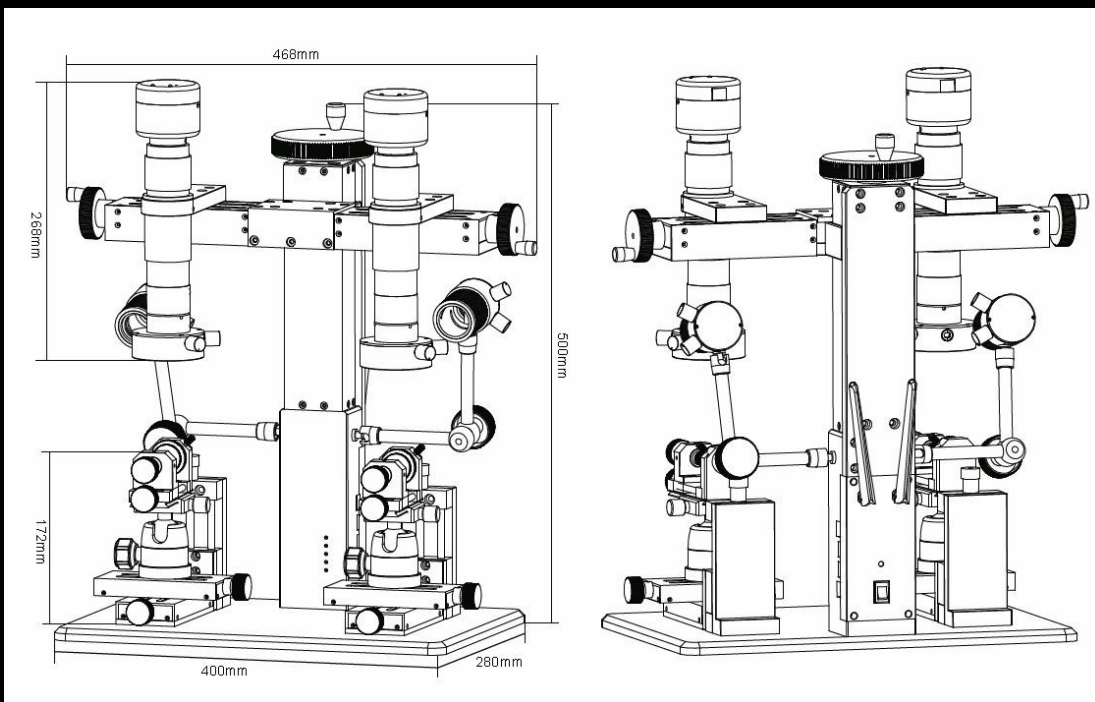
SOFTWARE

Image Merge, Image Split, Similarity Comparison (size and shape), Trace Comparison, Image Measurements, Image Processing
Camera Control, Image capture



GT Vision

Europe's favourite microscope supplier



GT Vision was founded in the UK by microscopy enthusiasts in 2003. Our principles are that we aim to provide the greatest range of high quality microscopy and related products at the best prices in the market, backed by fast, friendly, expert advice and support.

It appears that our customers like these principles and we have now grown into the largest independent microscope company in the UK and one of the largest in Europe.

YOUR LOCAL SUPPLIER:

