# GT 2.0 USB 2.0 Color Microscope Camera, 2 MP, 30 fps

Model GT 2.0 · waveqvanta.com/products/gt-2-0-microscope-camera



Entry-level 2 MP color camera for routine microscope imaging over USB 2.0.

The GT 2.0 is a compact 2 MP color CMOS camera for everyday microscope imaging. On-camera graphics acceleration raises the frame rate available over USB 2.0 while keeping the original image output, giving 30 fps at 1920 × 1080. Color presets for biological and industrial samples and the bundled acquisition and analysis software keep operation simple.

## Key features

- Sony color CMOS sensor: 1920 × 1080 (2 MP), 2.8 µm pixels, 6.23 mm diagonal
- Graphics acceleration delivers 30 fps at full resolution over USB 2.0 without altering the original image output
- Selectable color modes for biological samples (true color in pathology) and industrial samples (wide dynamic range on metal surfaces)
- Acquisition and analysis software with a simple, streamlined workflow
- SDK for C, C++, C#, DirectShow and TWAIN; up to 4 cameras can run simultaneously via the SDK
- Standard C-mount, 2 W power consumption, 68 × 68 × 42.5 mm, 236 g

## Specifications

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|---|---|
| **Sensor Type** | Sony CMOS |
| **Color / Mono** | Color |
| **Resolution** | 1920 × 1080 (2 MP) |
| **Pixel Size** | 2.8 × 2.8 µm |
| **Effective Area** | 5.4 × 3.0 mm |
| **Array Diagonal** | 6.23 mm |
| **Frame Rate** | 30 fps @ 1920 × 1080 (USB 2.0) |
| **Shutter Type** | Rolling |
| **Exposure Time** | 1 µs – 1 s 941 ms |
| **Data Interface** | USB 2.0 |
| **Optical Interface** | C-mount |
| **Power Consumption** | 2 W |
| **Dimensions** | 68 × 68 × 42.5 mm (H × W × L) |
| **Weight** | 236 g |
| **Operating Environment** | Working: 0–40 °C, 10–85% RH |
| **Image Format** | TIF, JPG, PNG, DICOM |
| **Multi-Camera** | Up to 4 cameras simultaneously (via SDK) |
| **Operating System** | Windows 7 / 10 (32-bit / 64-bit), Mac |
| **PC Requirements** | Intel Core i5 quad-core or higher; 8 GB RAM or more |
| **Software / SDK Support** | Acquisition and analysis software; C / C++ / C# / DirectShow / TWAIN SDK |

## Typical applications

- Pathology imaging on biological microscopes
- Biological microscopy of plant and insect specimens
- Stereo microscopy of objects such as coins
- Basic microscope imaging and documentation