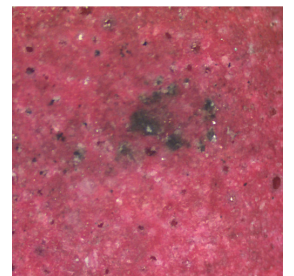
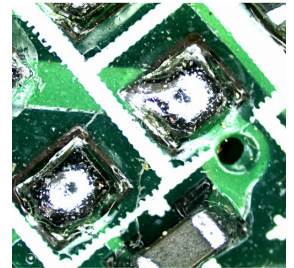


Moticam 580 camera with HDMI & SD-Slot



- ✓ Live 800x600 Pixel
- ✓ HDMI and SD card Output (direct no computer needed)
- ✓ Rapid Live Imaging, straight to Monitor or Beamer
- ✓ With USB: PC / Macintosh Compatible and-alone (5.0 Megapixel Images)





Moticam 580 camera with HDMI & SD-Slot

The Moticam's true talent is showcased by the ability to display live images at 1080p resolution through the HDMI output port. HDMI technology offers a number of key benefits to digital microscopy, including richer color definition, better signal integrity, greater bandwidth capacity, encryption protocols and high-definition video (comes in a rugged metal housing).

Additionally, images can be captured straight to an SD card at full 5.0MP resolution, eliminating the need for a computer, once the camera has been initially configured. Traditional USB output allows for conventional use on PC or MAC platforms with the supplied software, or use the analog video jack straight to a TV monitor.

Flexible Mounting - Included Adapters

The Moticam MC 580 thoughtfully includes 2 eyepiece couplers (30mm & 38mm dia.) which attach the camera to a wide range of microscopes. Simply connect the focusing macro lens to the camera and select the correct eyepiece coupler for your microscope. Slide the combination onto your eyepiece to create your own digital microscopy lab.

Note: For best results, we recommend our B&S Adapter kit from Ryf, available as an option prior to checkout.

Moticam 580

- Attachable HDMI C-mount camera
- Sensor: CMOS
- Live resolution: 800 x 600 pixels USB
- Still resolution: 5.0M pixels direct onto SD card
- Optical calculation: 1/2,5"
- Output: USB, HDMI, 1080p, SD card, RCA
- Focusable lens: 12mm
- 2 variable diameter eyepiece adapter
- Macrotube for specimens observation
- Motic Images Plus 2.0 for PC and MAC
- Motic 4-dot calibration slide
- Operation system: Windows XP and higher, Mac OSX





Moticam 580 camera with HDMI & SD-Slot

Software Features

- **Measurement:** Motic Measurements are easy to use and accurate owing to the quick, calibration process using Motic's certified calibration slide. Possible measurements include: Line, Circle, Rectangle, 3-Point Circle, 3-Point Arc, Polygon, Ellipse, Angle as well as Irregular shapes. All of the results are stored in a Measurement Table which can be exported to Excel with one click.
- **Image Comparison:** A useful feature includes image comparison that enables users to compare differences in specimens over time or side-by-side. Different methods can be used to compare including: 'Subtract'; 'Difference'; multiply'; Proportional.
- **Image Enhancements:** With several filters, including a customizable filter, Motic Images Plus 2.0 allows the user to edit, enhance or change a captured image. Text, Stamp and Paint tools turn any captured image into a finished project or evaluation for presentation. ***This feature should not be underestimated!*** Essentially, the software has an integrated word processor designed for combining captured images with comments - perfect for in-lab results or classroom use - and far simpler than a separate WORD document.
- **Multi-Media Imaging:** Motic's own SFC file extension allows a narrated sound file to be placed directly onto the image. Send an image with narration on several points by email to anyone. The SFC file also allows measurements or any image enhancements to be removed or changed at a later date.
- **Counting:** An introductory counting function is also included with the software, allowing users to calculate objects in the image.
- **Auto-Segmentation:** This is a neat feature that highlights items for easier counting

HDMI output Cross-platform compatibility with both Microsoft Windows and Macintosh OSX makes the Moticam 580 a most versatile and convenient camera. It is also fully TWAIN compatible, allowing simple integration with a wide range of commercial and scientific imaging software.

These Moticam cameras now integrate fully into Media Cybernetics Image Pro Plus 7, with the relevant plugin from Motic Support or Media Cybernetics.

The Moticam 580 is an efficient, user-friendly and affordable educational digital microscope camera solution for.





Moticam 580 camera with HDMI & SD-Slot

Specifications:

| | |
|------------------------------------|---|
| Sensor | 1/2.5" Live 5.0 Megapixel CMOS |
| Effective Pixels | 2592 x 1944 |
| Pixel Pitch | 2.2µm x 2.2µm |
| Frame Rate: USB | 3.5 fps @ 1280 x 960 17 fps @ 800 x 600 30fps @ 640 x 480 |
| Frame Rate: HDMI | 50 fps @ 1080i |
| Shutter | Electronic |
| Minimum Illumination | 3 lux |
| Scanning System | Progressive Scan |
| Dynamic Range | 66.5 dB S/N |
| Lens Mount | C-mount |
| Image Output | SD Card, USB to PC, or analog video |
| White Balance | Automatic |
| Data Output | HDMI - 1080p SD Card - 5.0MP USB 2.0 - 800 x 600 Analog video |
| Power Supply | 5V, self-powered by USB |
| Operating Current | 200mA |
| Power Consumption | 1 W |
| Included Accessories | 12mm Focusable Lens, 30mm & 38mm Eyepiece Adapters, C-Ring Macro Stand, Motic Certified, printed calibration slide, USB Cable and power supply |
| Included Software | Motic Images Plus 2.0ML for Windows / Motic Images Plus 2.0 for Macintosh OSX |
| Minimum System Requirements | Windows: Win XP / Win7, 256MB RAM minimum, Pentium 4 processor or higher USB 2.0 Interface (required), Macintosh: OSX 10.1 or higher 256MB RAM minimum G4 processor or higher USB 2.0 Interface (required) |

