

Dual HDMI and USB Digital Microscope

Small Size, Long Working Distance, No Latency

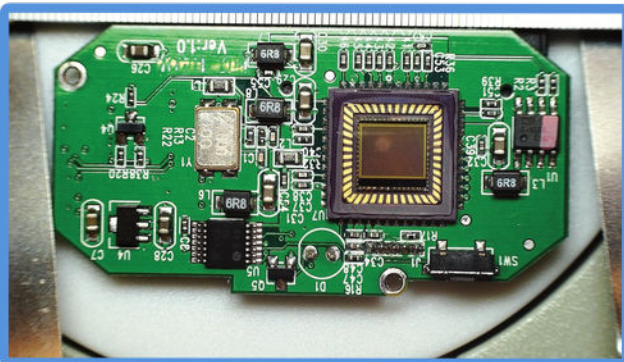
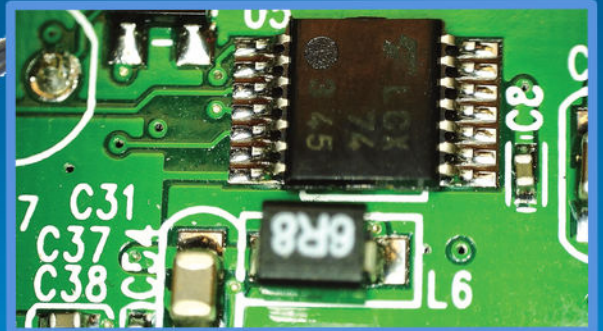
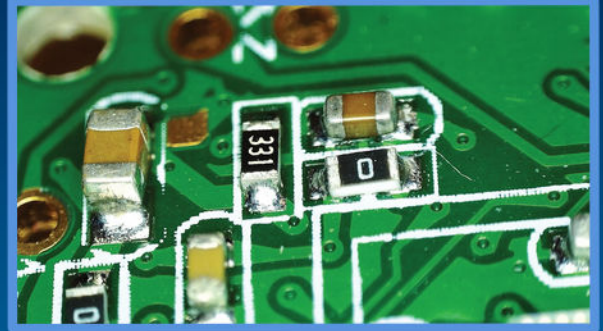
Part Number: MI-HDMI-USB2

Direct HDMI video output to a monitor with no latency makes this an ideal microscope for visual inspection, micro assembly or soldering.

The microscope offers 5 - 145x magnification, while variable intensity lighting and onscreen menus let you easily adjust the microscope for the best image quality under any conditions.

Capture still images onto a microSD card (not included), or connect the microscope to a computer through the USB port, and use the professional quality Video ToolBox Pro software to capture images and videos, make CAD quality measurements (with export to EXCEL®), draw, add calibrated overlays, display a reticle - all directly on the live image.

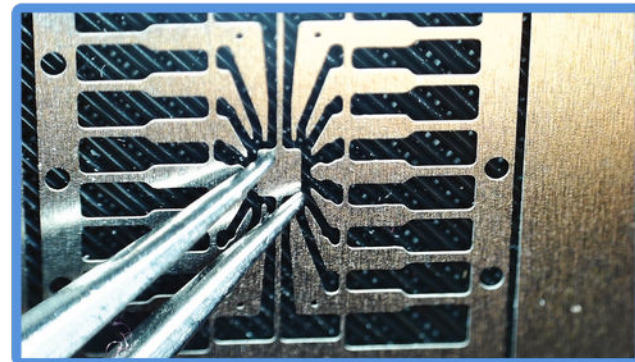
Optional accessories include an articulated arm with quick lock/release, contrast background kit and advanced one-button calibration tool for the most accurate measurements possible.



5x magnification for viewing a larger area



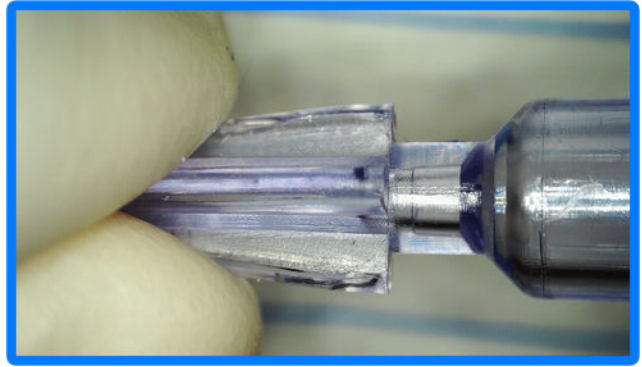
145x magnification for detailed inspection



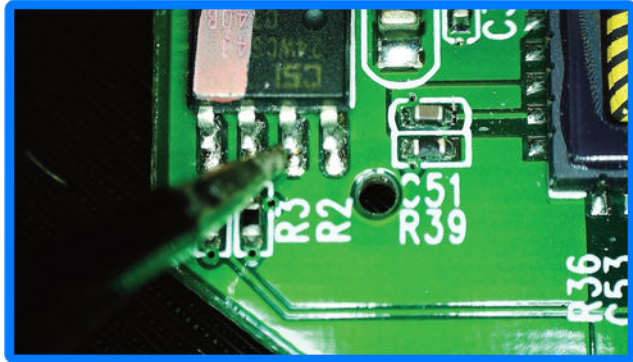
ideal for assembly or soldering



inspect inside holes or tubing



medical device inspection



soldering and rework

Accessories

MI-AAT-11

Articulated arm with quick lock knob and table clamp. Easily adjust the position and magnification, then lock the entire arm with one turn of the knob. 11" reach. Heavy duty clamp attaches to table or post.



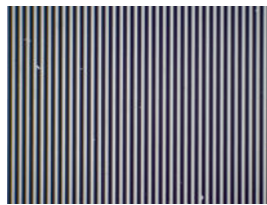
MI-BK

Background kit. A set of background squares lets you optimize image contrast for small parts by changing the background brightness.



CW-HDMI-USB2

One button calibration target and software plugin. When precise measurement is required, this special calibration target and software tool makes calibration fast, simple and computer accurate. Get precise and repeatable results every time for any operator.



patent pending

MI-HDMI-USB2 Specifications

Video Output	HDMI USB
Frame Rate	1080i@60fps 1080p@30fps
Magnification	5 - 145X *
Working distance	0 - 7" (0 - 178 mm)
Capture	microSD card: still images (card not included) PC: still images, video, time lapse
Lighting	LED adjustable brightness
Camera Controls	Onscreen menu
Sensor Size	1/3.2", 5.07 mm x 3.38 mm
Resolution	3MP, 2304H x 1536V
Pixel Size	2.2 x 2.2 μ m
Dynamic Range	72.4 dB
Responsivity	1.9 V/lux-sec (550nm)
Operating temperature	40 °F - 120 °F
Software features	Video ToolBox Pro (Windows) <ul style="list-style-type: none"> • Image & video capture • Live image labels and drawing • CAD quality measurement tools • Calibrated transparent overlays • Measurement reticles and grids Macintosh software available (not included)



compact adjustable stand included

working distance (mm)	lateral field of view (mm)	magnification *
178	63.5	5 X
114	47.6	7 X
51	25.4	14 X
25	17.5	20 X
9	11.1	31 X
9	2.4	145 X
0	8.7	40 X
0	3.2	108 X

* Magnification calculated to match the field of view of a standard optical stereo microscope

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