



Intuitive Camera Control Buttons and Dial.



- 2D Measurement & Annotation
- Focus Stacking
- Image Overlay Comparator
- Lens Distortion Correction
- Calibration Tracking
- On Screen Reticule Graticule
- Side by Side Image Comparison
- Removable USB Image Capture

- Save and Recall Images Internally
- Transfer Images to PC via USB
- Intuitive Graphical User Interface
- No PC required

Omni FI 805-001

The Omni is an integrated full HD (1080p) digital microscope and measurement system that operates without a PC. Omni's custom platform incorporates a highly configurable and upgradeable set of inspection and measurement applications such as focus stacking, 2D measurement, side by side and overlay image comparison, custom on screen reticule/graticule and lens distortion correction.

The Omni platform has a powerful image processing and control engine that delivers superb full HD live video image quality at 60 frames per second enabling it to be utilised as a solution in a broad range of quality control, testing, rework, assembly, inspection and documentation tasks.

The Omni GUI (Graphical User Interface) is a custom designed mouse controlled Interface delivering intuitive and efficient operation and control of the full application suite.

Its unique ability to stay in calibration over the entire zoom range is one of many features that differentiate the Omni from other digital inspection systems.

Camera control functions (auto and manual focus, exposure, gain, brightness, white balance) ensure ultra-sharp, high contrast imaging.

Omni's quick release cable free interchangeable illumination modules with intensity and quadrant control ensure shadow free illumination and glare reduction

Lens (Diopetre) (mm)	Max Height (mm)	Min Height	Magnification*		Field of view at minimum mag. (mm)		Field of view at maximum mag. (mm) Optical/Digital		Max. & Min. Depth of field	
			Minimum Magnification*	Maximum Magnification* Optical/Digital	X	Y	X	Y		
5	200	170	2.5	62/122	X: 231	Y: 136	X: 8/4	Y: 5/2	78	.50
10	100	85	4	121/237	X: 60	Y: 50	X: 5/2	Y: 3/1	57	.20

* Specifications obtained using a 24" Monitor.
* Depth of field measured with optimal image settings.

Technical Specifications

Zoom Range (with supplied 5D lens)	2.5x – 122x
Camera Resolution	1920 x 1080 Resolution 60 fps 30x Optical, 2x Digital
Monitor Connections	HDMI / DVI
Monitor Requirements	HD Ready or Full HD (recommended)
Input / Output	<ul style="list-style-type: none"> · HDMI Output · USB 2.0 Port x 4 · RJ45 Ethernet Connector (for networking) · General Purpose IO Port x 3 · DC Power Jack (24V)
Image Capture	<ul style="list-style-type: none"> · Internal Image Storage · Removable USB Image Storage · USB On The Go (PC Connectivity)
Power	24W
Dimensions	216mm x 125mm x 136mm
Weight	1.75Kg
Operating Temperature	Storage: -10C to +60C Operating: +5C to 40C