

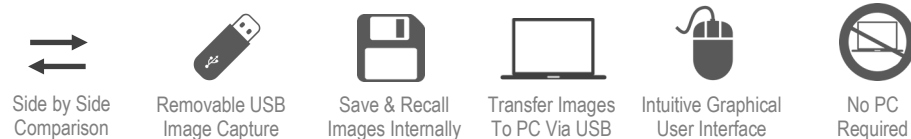
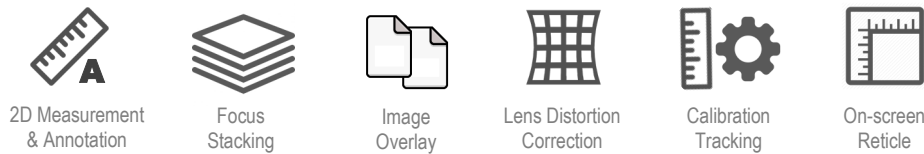
omni

DIGITAL IMAGING SYSTEM



Sleek sophistication in a versatile ergonomic design provides 1080p HD digital imaging with superb HD image quality, color reproduction, contrast and resolution.

Built-in, On-board Software With Intuitive Camera Controls!



Camera Resolution	HD 1080p; 1920x1080; 60fps; 30x optical / 2x digital
Zoom	5D Lens; 2.5x—122x (24" screen)
Basic Functions	Auto/Manual focus, brightness adjustment, magnification adjustment, snapshot, overview, high contrast mode, height adjustable
Response Time	5ms
Input / Output Modes	HDMI Output • USB 2.0 port x 4 RJ45 Ethernet network connector General purpose IO port x 3 • DC 24v power jack
Monitor Format	HD ready or Full HD 16:9 (recommended) - monitor not included
Power Supply	100/240v; 50/60Hz; 24w power consumption
Dimensions	216mm X 125mm X 136mm (LWH)
Weight	1.75kg
Temperature	Storage: -10C to 60C Operating: 5C to 40C

Magnification*

Lens Diopter (mm)	Max Height (mm)	Min Height (mm)	Min Mag*	Max Mag* Optical/Digital	FOV Min Mag (mm)	FOV Max Mag (mm)	Max & Min Depth of Field
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

Key Features

UNITRON's omni Digital Imaging System is an integrated full HD (1080p) digital microscope and measurement system that operates without a PC. The 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 reticle, and lens distortion correction.

The omni's 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 used as a solution in a broad range of quality control, testing, rework, assembly, inspection and documentation tasks.

The 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 differentiates this system from other digital inspection systems.

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

The omni's quick response, cable-free interchangeable illumination modules with intensity and quadrant control, ensure shadow-free illumination and glare reduction.

