INSPEX II

DIGITAL IMAGING SYSTEM

SIMPLY POWERFUL

Ergonomic, fully integrated standalone system designed for all industries!

INSPEX II DIGITAL IMAGING SYSTEM

UNITRON®

Intuitive Software Interface Simplifies Operation & Controls

AshCal™ Technology

On Screen Preset Buttons

Set User Privileges

Customized Overlays

AF One-Click Auto Focus

Image Stamping

Removable USB Image Capture

Save & Recall Images Internally

Transfer Images To PC Via USB

Intuitive Graphical User Interface

No PC Required

Key Features

The new INSPEX II Digital Imaging System is an ergonomic, fully integrated full HD (1080p) digital microscope and measurement system that operates without a PC.

The GUI (Graphical User Interface) provides intuitive and efficient operation and control of the INSPEX II's full application suite with only a mouse (included) and monitor (not included).

The INSPEX II'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 across many industries.

INCREASED PRODUCTIVITY: The intuitive software interface simplifies operation and controls increasing productivity and efficiency. AshCal™ calibration technology tracks and adjusts to zoom changes — no need for time-consuming zoom change re-calibrations. With the on-screen or optional keypad preset buttons, users have quick access to pre-configured, part-specific system settings.

QUALITY ASSURANCE: User privileges offer control of system-related operations to ensure standardized inspection. Rapidly check parts against customized overlays with tolerance limits.

PRACTICAL FUNCTIONALITY: Simple, one click Auto Focus with on-screen indicator makes image capture a breeze. Image stamping with time, date, user and magnification level for traceability throughout your inspection process. Other features include on-screen pre-set mode, 2-D line measurement, and on-screen overlays.

The INSPEX II's cable-free interchangeable illumination ensures shadow-free illumination, glare reduction and can be directly controlled via the on-board software.

Specifications

Camera Resolution	HD 1080p; 1920x1080; 60fps
Zoom	5D Lens (included); 2.5x—122x (24" screen)
Basic Functions	Auto/Manual focus, brightness adjustment, magnification adjustment, snapshot, overview, high contrast mode, height adjustable
Features	AshCal™ calibration and tracking throughout zoom range, on-screen pre-set mode, 2-D line measurement, on-screen overlays, auto-focus, image capture and user access controls
Response Time	5ms
Input / Output Modes	HDMI Output ● USB 2.0 port x 4 ● Mini USB General purpose IO port x 3 ● DC 24v power jack
Storage	16GB internal storage; removable USB image storage
Monitor Format	HD ready or Full HD 16:9 *(recommended) - monitor not included*
Power Supply	100/240v; 50/60Hz; 24w power consumption
Dimensions / Weight	216mm X 125mm X 136mm (LWH) / 1.75kg
Temperature	Storage: -10C to 60C Operating: 5C to 40C

CAT# 14790

INSPEX II shown on CAT # 14835 track stand (track stand and monitor are not included)

CE RoHS **ISO** 9001 ● 14001

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Magnification*

Lens Diopter (mm)	Working Distance (mm)	Min. & Max. Optical Mag.*	Min. Optical FOV (mm)	Max. Optical FOV (mm)	DOF* at Min. / Max. Zoom (mm)	Max. Mag. Digital	FOV Digital
5	190	2.5 / 61.3	231 x 136	8.654 x 4.875	78 / 0.5	133.1	3.99 x 2.239
10	100	10.2/ 118.9	60 x 50	4.462 x 2.514	57 / 0.2	256.4	2.047 x 1.149
1X Plan	72	4.3 / 122	71 x 71	3.992 x 2.24	40 / 0.2	266.6	1.992 x 1.118
25	35.1	175 / 305.5	3.09 x 1.73	1.736 x 0.978	0.25 / 0.01	662.4	0.801 x 0.450

*Specifications obtained using a 24" monitor   **Depth of field (DOF) measured with optimal image settings*