

UNITRON®

# ion 4.3"

HAND-HELD DIGITAL INSPECTION MAGNIFIER



An award-winning inspection magnifier that provides a crystal-clear image in a comfortable, hand-held and highly intuitive optical inspection magnifier.

EXCELLENCE BY DESIGN

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HAND-HELD DIGITAL INSPECTION MAGNIFIER

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The **ion 4.3"** hand-held digital inspection magnifier is an award-winning inspection magnifier that provides a crystal-clear image for the user. Designed to replicate the look and feel of an optical magnifier, **ion 4.3"** starts up fast providing for quick and immediate use, is comfortable to hold and highly intuitive.

The display of **ion 4.3"** delivers an unrivaled sharp, bright and high contrast image in low light conditions. Its stunning color image and wide viewing angle provides comfortable use in hard-to-reach places. The unique patent-pending dimensioning grids and cursors enhance the capability and efficiency of decision making for inspection operators and technicians.



Simple X, Y on-screen dimensioning with cursor & grid functions

Ergonomically-positioned buttons for single-handed access to all functions



Adjustable LED illumination for brightness & left/right direction control

Flip-out focus & stability leg



Lightweight, comfortable and portable design makes inspection easy and efficient



reddot design award

## SPECIFICATIONS

Screen Size / Resolution	4.3" diagonal TFT display, 480 x 272 pixels
Magnification	Far focus: 4x-8x; Near focus: 7x-14x
Working Distance	7x magnification: 12mm; 14x magnification: 24mm
Image Storage Mode	100 images in 480 x 272 pixels; 24-bit bitmap format transferable to PC via the included micro USB cable
Depth of Field	3.5cm in overview; 1.5cm close
Dimensioning Cursors/Grids	Yes
Sensor	3MP CMOS, RGB565 video at 30fps
Battery / Charger	Rechargeable Lithium Ion battery; 5 hours use time; 4 hours charge time with supplied 100v-240vac 50/60Hz charger/adaptor
Connection Cable	Micro USB
Unit Supply Voltage	5v DC, micro USB connector
Weight	225g

## Key Features

- Accurate and detailed inspection of a wide variety of objects enabled through lossless image quality and super-sharp magnification up to 14x with high resolution TFT display and adjustable LED illumination.
- Instant on-screen measurement for quick and cost-effective quality assurance provided by integrated XY dimensioning grids and cursor functions.
- Easy recording and traceability of one hundred images with date stamp using image capture software for accurate quality control records.
- Mobile visual inspection tool that enables access to hard to reach and poorly lit areas due to its compact, portable design.
- Unique Liquid Lens technology provides a wide focus range, fast response time, excellent optical quality and low power consumption.

### ISO 9001 Certification

Design and production adheres to ISO9001 international quality standard.

### ISO 14001 Certification

Design and production meets the requirements of international standard ISO 14001 for environmental management.



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