

# UltraFocus 100

## Digital Radiography System

**Delivering a large field of view and ultra-high resolution.**

The compact and fully shielded x-ray cabinet can be placed directly on the bench top in your lab or wherever you need easy access to imaging.



# UltraFocus 100

Multiple detector sizes coupled with the wide energy range from 10 - 100kV makes the UltraFocus100 ideal for imaging a broad range of both biological and light NDT samples. The 8µm focal spot and up to 10X geometric magnification provide up to 100 lp/mm resolution images. The advanced Automatic Exposure Control allows the system to automatically select the appropriate exposure time and kV settings for the sample, with a single click of the mouse.

**Contact us today!**

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## Features & Benefits

- No additional x-ray shielding required
- No specialized x-ray knowledge needed to operate
- Plugs into any standard A/C outlet
- Stainless steel inner chamber designed for easy cleaning
- Laser centering guide & transparent window ensure proper sample positioning
- Magnification shelf with field of view guides and automatic position detection provides for up to 6X geometric magnification with accurate measurements at any level
- 10X magnification tray provides up to 100 lp/mm resolution images for ex vivo and seed imaging
- Single click calibration with auto object detect allows for simple, error-free calibration
- One button operation with Automatic Exposure Control (AEC) optimized for a variety of samples (manual exposure settings also available)
- Images instantaneously displayed on 24" high resolution 3.7MPx monitor (included)
- Remote diagnostic and support over the web

## Detector Options

Sample imaging area	23cm x 29cm (9" x 11.5")
Pixel pitch	50.0µm
Spatial resolution	Up to 100lp/mm at 10X geometric magnification
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Sample imaging area	10cm x 15cm (4" x 6")
Pixel pitch	48µm
Spatial resolution	Up to 100lp/mm at 10X geometric magnification

## Specifications

Energy range	10 - 100kV
Tube current	0.3mA max (isowatt limited to 12W from 41-100kV)
Focal spot size	8µm
Window filtration	0.25mm Be, tungsten source
Power	100-240VAC ±10%, 50/60Hz, 150VA
Dimensions external	23" W x 21" D x 36" H (59cm x 54cm x 90cm)
Dimensions internal	15.4" W x 15.4" D x 22" H (39cm x 39cm x 56cm)
Weight	415lbs (188kg)
Shipping Weight	510lbs (230kg)

