



INFINITY

INFINITY is a powerful combination of image acquisition technology, highly sensitive CCD camera and intuitive software. Using the latest generation of sensor in combination with a state of the art optical lens, INFINITY offers a very high sensitivity and an extended dynamic range.

The true 14-bit, 2 megapixels camera acquires high pixel depth and high resolution images. The exquisite precision and resolution deliver reliable results for both quantification and documentation.

The association of our exclusive electronic, high-quality optics and advanced software, delivers outstanding scientific performance. The menu-oriented system makes it very easy to use: just few clicks are necessary to obtain sophisticated results.

Key features

- Optimum system for quantification and documentation
- High sensitivity for low limits of fluorescence detection
- Unrivalled resolution
- Exquisite pixel depth
- Intuitive image acquisition
- Free user friendly software
- Scientific grade zoom lens
- GLP file

Applications

Nucleic acid detection

- Ethidium bromide
- SYBR™ Green
- SYBR™ Gold
- Texas red™
- Gel Star™
- Fluorescein

Protein detection

- Coomassie blue
- Sypro™ Orange
- Sypro™ Red
- Silver Stain

Other

- Petri dish imaging
- Microplate imaging
- Autoradiograph imaging



Ultra high sensitivity



Ultra high pixel depth



Ultra high resolution



Real time



Gray scale monitoring



Saturation warning



Free Software



Electronic Transilluminator

> THE UNRIVALED IMAGING SYSTEM

> ULTRA HIGH SENSITIVITY FOR FLUORESCENCE

INFINITY is dedicated to fluorescence imaging. The scientific grade CCD camera has been specifically designed for fluorescence detection. The great care given to the optics enhances its capabilities. Even the most demanding samples are easily detected, documented and analyzed.

> ULTRA HIGH RESOLUTION

INFINITY has unparalleled resolution. The 1 inch CCD sensor has a resolution of 2 megapixels. This is more than 50% better compared to competitor's systems. This means 50% more quantitative data, 50% more accurate imaging and analysis.



> ULTRA HIGH PIXEL DEPTH

INFINITY has an incredible true pixel depth. The 14-bit camera produces 16 384 grey levels, to be compared with 4 096 from 12-bit systems. The 14-bit pixel depth is produced by the camera itself and not by any software manipulation. In other words, **INFINITY** means image integrity.



Specifications

Camera	Monochrome scientific grade CCD camera Real time and integration time 1 inch CCD sensor
Pixel depth	True 14-bit, 16 384 grey levels. Image integrity: no software modification of the pixel depth 3 camera pixel depth modes, controlled by the user: - 14-bit - 12-bit - 8-bit
Resolution	2 megapixels 1600 H x 1200 V pixels - Pixel size 7.4 µm x 7.4 µm 3 binning modes 2x2, 3x3, 4x4
Grade	Ultra high sensitivity for DNA/Protein fluorescence Scientific grade camera - Chip quality: Grade 0 (0 defect)
Camera device	Progressive scan FireWire®/IEEE 1394 interface Readout noise : 55 e ⁻ - Dark current 5 e ⁻ /pixel/sec.
Zoom	Scientific grade zoom

Configurations

Infinity 3000 - CN-3000 darkroom

Darkroom	Includes a slide out drawer that houses any ECX 8-watt transilluminators with very high frequency electronic ballast: no flickering effect for better imaging and reduced heat to protect your gel Multi-positions filter slide
Epi-illumination	Uniform white light or UV light source
Maximum UV table filter size	210 x 260 mm

Infinity 115 - CN-115 darkroom

Darkroom	Fits on all ETX 15-watt transilluminators with high frequency electronic ballast: - no flickering effect for better imaging - reduced heat to protect your gel
Epi-illumination	Overhead white light for gel positioning
Maximum uv table filter size	210 x 260 mm

Infinity 1000 CN- 1000 darkroom

Darkroom	Includes a slide out transilluminators with high frequency electronic ballast: - no flickering effect for better imaging - reduced heat to protect your gel
Epi-illumination	Overhead white light for gel positioning
Maximum uv table filter size	210 x 260 mm

