VILBER

INFINITY

Ultimate

- 2 megapixels – unrivalled resolution
- 16-bit – exquisite pixel depth
- 1-inch CCD sensor
- Exclusive Image Master assistant to get the optimum image
- Optimum system for quantification and documentation
- Intuitive image acquisition
- Free user-friendly software

> APPLICATIONS

- **NUCLEIC ACID DETECTION**

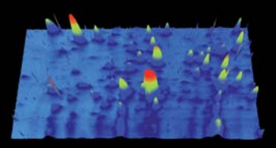
  Ethidium bromide, SYBR™ Green, SYBR™ Gold, Texas Red™, Gel Star™

- **PROTEIN DETECTION**

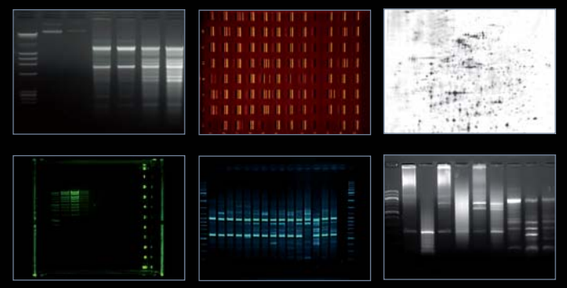
  Coomassie blue, Sypro™ Ruby, Sypro™ Orange, Sypro™ Red, Silver Star™, Fluorescein

- **OTHER**

  Petri dish imaging
  Microplate imaging
  Autoradiograph imaging



> PHOTO GALLERY



> REFERENCE LIST

- Boehringer Ingelheim (Biberach, Germany)
- Institut Curie (Paris, France)
- Jinan University (Guangzhou, China)
- Austin Research Institute (Melbourne, Australia)
- Max Planck Institut / Molecular Physiology (Dortmund, Germany)

> TESTIMONIALS

"Infinity is a first class system for the quantification of our 1D gels. The system is very flexible and we use it in combination with a Super-Bright transilluminator for the imaging of different dyes such as SYBR Green™ and Sypro Ruby™ for 2D gel.

Talking about quantification, we realised the importance of the resolution and of the pixel depth. Undoubtedly, we are delighted with the fantastic results we obtain."

ULTIMATE 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 captured and analyzed.

ULTIMATE PIXEL DEPTH

INFINITY has an ultimate 16-bit pixel depth, which produces 65 536 grey levels, to be compared with 4 096 from 12-bit systems.

The 16-bit pixel depth delivers high accuracy for quantification and can easily detect large intensity difference between bright and faint bands.

ULTIMATE 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.

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INFINITY

Ultimate

SPECIFICATIONS

	INFINITY 3000	INFINITY 1000
Camera	Monochrome scientific grade CCD camera Real time and integration time **1 inch** CCD sensor	Monochrome scientific grade CCD camera Real time and integration time **1 inch** CCD sensor
Pixel depth	4.8 orders of magnitude **16-bit**, 65 536 grey levels. 3 user-controlled pixel depth modes : 16-bit, 12-bit, 8-bit	4.8 orders of magnitude **16-bit**, 65 536 grey levels. 3 user-controlled pixel depth modes : 16-bit, 12-bit, 8-bit
Resolution	**2 megapixels** 1 600H x 1 200 V pixels Pixel size 7.4 µm x 7.4 µm 3 binning modes: 2x2; 3x3; 4x4	**2 megapixels** 1 600H x 1 200 V pixels Pixel size 7.4 µm x 7.4 µm 3 binning modes: 2x2; 3x3; 4x4
Grade	Ultra high sensitivity for fluorescence Scientific grade camera Chip quality: Grade 0, zero defect	Ultra high sensitivity for fluorescence Scientific grade camera Chip quality: Grade 0, zero defect
Camera device	Progressive scan FireWire®/IEEE 1394 interface	Progressive scan FireWire®/IEEE 1394 interface
Zoom	Scientific grade zoom lens Manual or motorized configurations	Scientific grade zoom lens Manual or motorized configurations
Software	**INFINITY** is supplied with the Infinity-Capt software for image enhancement and basic image analysis. The **INFINITY** images are compatible with Bio-1D and Bio-Gene software for quantification: transform your 1D gel into 3D results.	

> VERSATILE & UPGRADEABLE

In standard, the Infinity systems are ideal for a wide range of fluorescence applications. You can also customize your own system or upgrade later, thanks to different options to add versatility and imaging experiments:

- Super-Bright technology for enhanced imaging
- PC controlled motorized scientific zoom lens
- UV to white light conversion screen for white light samples such as protein gels or autoradiographs
- UV to blue light conversion screen for dyes such as GFP II™, SYBR Green™ or Sypro Orange™.
- Filtered UV epi-illumination modules
- Bio-1D advanced image analysis software

> COMPLIMENTARY SOFTWARE

- **IMAGE ACQUISITION**
  Real time and integration time modes
  …
- **IMAGE ENHANCEMENT**
  Editing of comments and symbols
  …
- **IMAGE ANALYSIS**
  Molecular weight calculation
  …

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CONFIGURATIONS

Darkroom	**CN-3000 darkroom** Includes a slide-out build-in transilluminator & UV security switch Multiposition filter slide Upgradable to StarLight module Uniform white light or UV light epi-illumination sources Single or dual wavelength transilluminator available Filter size : 20x20cm or 21x26cm Optional Super-Bright UV filter technology UV to white light or UV to blue light conversion screen available	**CN-1000 darkroom** Includes a slide-out build-in transilluminator & UV security switch Multiposition filter slide Overhead white light by fluorescent tubes Single or dual wavelength transilluminator available Filter size : 20x20cm or 21x26cm Optional Super-Bright UV filter technology UV to white light or UV to blue light conversion screen available