



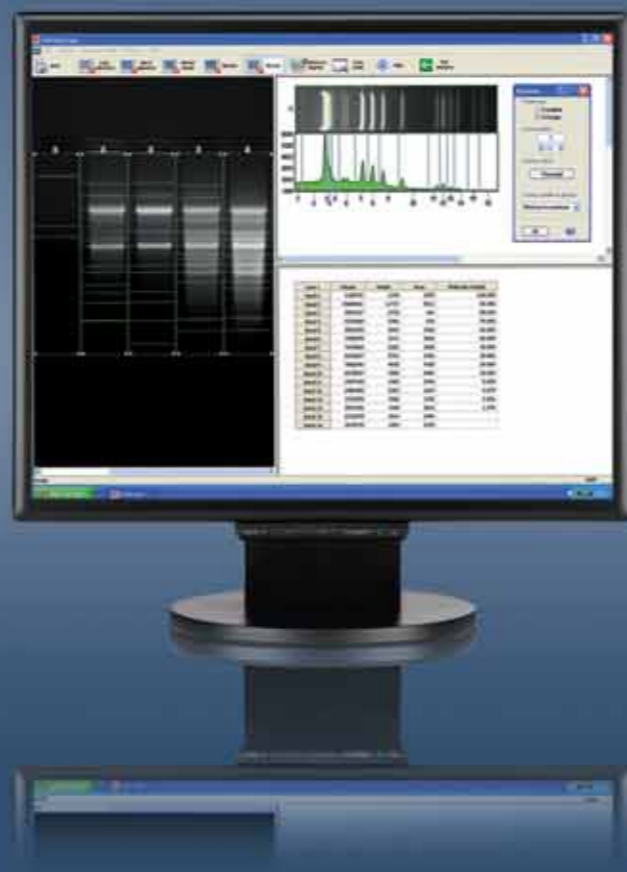
SYBR[™] Green stained DNA
/ Super-Bright transilluminator



SYPRO[™] Ruby stained protein
/ Super-Bright transilluminator



Ethidium bromide stained DNA
/ Image Master[™] technology



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
- Scientific grade optics for enhanced sharpness

> KEY FEATURES

- PC based system perfect for analysis and archiving
- Best specifications on the market
- State of the art scientific optics and CCD camera
- 2 megapixels & 16-bit imaging
- Highest sensitivity for DNA & protein fluorescence
- Fantastic ease of use / Firewire[®] interface
- Image Master assistant feature to easily get the optimum image
- Free software for image acquisition & analysis
- Pure image integrity & GLP compliance
- Unique Vilber Lourmat filters for precise imaging & superior results

> APPLICATIONS

• NUCLEIC ACID DETECTION

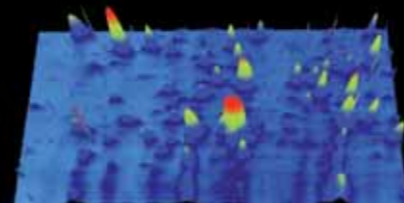
Ethidium bromide,
SYBR[™] Green, SYBR[™] Gold,
Texas Red[™], Gel Star[™]

• OTHER

Petri dish imaging
Microplate imaging
Autoradiograph imaging

• PROTEIN DETECTION

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



> 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

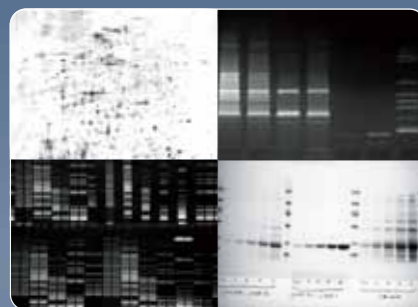
“Infinity is a first class system for the quantification of our 1D gels. The system is very flexible and we use it in combination with a Super-Bright transilluminator for the imaging of different dyes such as SYBR Green[™] and Sypro Ruby[™] for 2D gel.”

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 resolution



Ultimate sensitivity



Ultimate pixel depth

Ultimate

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.

SPECIFICATIONS	INFINITY 3000	INFINITY 1500	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	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	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	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	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	Progressive scan FireWire®/IEEE 1394 interface
Zoom	Scientific grade zoom lens Manual or motorized configurations	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.		

CONFIGURATIONS	CN-3000 darkroom	CN-1500 darkroom	CN-1000 darkroom
Darkroom	Includes a slide-out build-in transilluminator & UV security switch	Includes a slide-out build-in transilluminator & UV security switch	Includes a slide-out build-in transilluminator & UV security switch
Epi-illumination	Uniform white light or UV light source	Overhead white light for gel positioning	Overhead white light for gel positioning
Fluorescence source	Electronic & microprocessor controlled transilluminator for enhanced imaging and reduced heat to protect your gel 312nm – 8-watt Available filter size: 21x26 or 20x20 cm Super-Bright filter available (21x26 cm)	Electronic & microprocessor controlled transilluminator for enhanced imaging and reduced heat to protect your gel 312nm – 15-watt Available filter size: 25x35, 21x26 or 20x20 cm Super-Bright filter available (21x26 cm)	Electronic & microprocessor controlled transilluminator for enhanced imaging and reduced heat to protect your gel 312nm – 8-watt Available filter size: 21x26 or 20x20 cm Super-Bright filter available (21x26 cm)

> 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
...

Complete list of features page 39

