

ULTIMATE SENSITIVITY FOR FLUORESCENCE

INFINITY VX2 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 VX2 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 VX2 has unparalleled resolution. The scientific 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.

VILBER INFINITY VX2

Ultimate



SPECIFICATIONS

	INFINITY 3000	INFINITY 1100
Camera	Monochrome scientific grade CCD camera Real time and integration time Ideal for both publication and quantification	Monochrome scientific grade CCD camera Real time and integration time Ideal for both publication and quantification
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 Unparalleled resolution 2 binning modes: 2x2; 4x4	2 megapixels 1 600H x 1 200 V pixels Unparalleled resolution 2 binning modes: 2x2; 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 Digital interface	Progressive scan Digital 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-1100 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