BIO-VISION

BIO-VISION offers exquisite precision and resolution, which means reliable results for both quantification and documentation.

Our experts, especially for your scientific applications, have developed an advanced imaging electronic. This association of our exclusive electronic, high-quality optics and advanced software, delivers outstanding performance.

With **BIO-VISION**, you simply reach the low limits of detection on all of your samples.

Applications

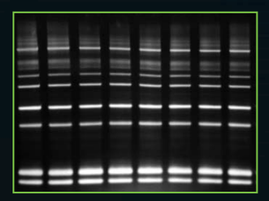
Nucleic acid detection
- Ethidium bromide
- SYBR™ Green
- SYBR™ Gold
- Texas red
- Gel Star
- Fluorescein

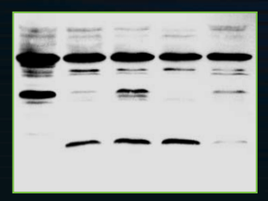
Protein detection
- Coomassie blue
- Sypro™ Orange
- Sypro™ Red
- Silver Star

Other
- Petri dish imaging
- Microplate imaging
- Autoradiograph imaging

Key features

- PC based system for easy archiving and analysis
- Very highly sensitive CCD camera
- Publication and analysis of quality images
- Free software for image documentation, enhancement & analysis
- Unique Vilber Lourmat filter for precise imaging & superior results
- Optional motorized zoom
- Multi-positions filter slide
- Pixel saturation warning
- Sensitivity heightened by integration time
- All the necessary information to ensure the optimum quality of your image
- GLP file
- Compact and robust darkroom





Specifications

Camera	Monochrome scientific grade CCD camera Real time and integration time
Pixel depth	True **14-bit**, 16 384 grey levels Image integrity: no software modification of the pixel depth
Resolution	1 100 000 pixels - Pixel size 7.4 µm x 7.4 µm
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 Manual or motorized lens

Configurations

BIO-VISION 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

BIO-VISION 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 or 250 x 350 mm

BIO-VISION 1000 - CN- 1000 darkroom

Darkroom	Includes a slide out 8-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

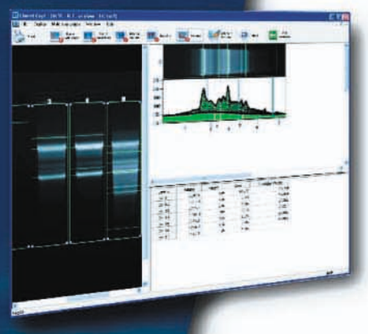
› VISION-CAPT SOFTWARE

› FAST, ACCURATE AND EASY IMAGE ACQUISITION

VISION-CAPT is the complimentary software supplied with the **BIO-VISION** system. It includes a powerful and easy-to-use image acquisition module. An automatic pixel saturation warning and a display of the image dynamic enhance the image acquisition. They ensure optimum quality of the final image, which can then be instantly printed or saved for further analysis or publication.

Specifications

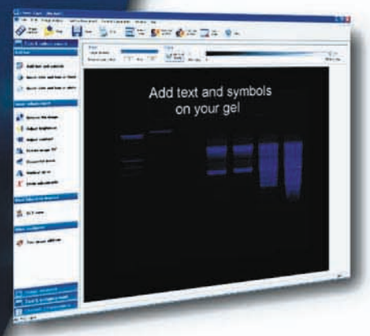
- Real time mode
- GLP compliance
- Positive or negative image acquisition
- Grid display for easy horizontal and vertical gel positioning
- Pixel by pixel saturation warning display while acquiring the image
- Gray-scale monitoring while acquiring the image
- User's personal configuration file for easy saving and loading of his/her personal image acquisition parameters
- Printing on a thermal video printer or on the default desktop printer
- Integration time adjustment



› QUICK AND SIMPLE ANALYSIS

In addition to image acquisition, **VISION-CAPT** software offers multiple analysis features. It includes three main analysis components: molecular weight, band quantification, colony counting.

The image enhancement module enables editing of comments, inversion, contrast and brightness adjustment, as well as the use of pseudo colors.



Specifications

- Editing of comments and symbols
- Date, time or image name stamping
- Image inversion
- Brightness and contrast adjustment
- 90 degree clockwise rotation
- GLP compliance
- Horizontal or vertical mirroring of the displayed image
- Lane profile display
- Molecular weight or pH (IEF) value calculation
- Marker's migration curve display and adjustment
- Volume, height and area calculation
- Colony counting
- Automatic band detection