

Ethidium bromide stained DNA



Petri dish imaging



SYBR[®] Green stained DNA

Stand-alone legend

E-BOX is a complete stand-alone system with fantastic ease of use & ease to clean. The system combines a highly sensitive CCD camera, a Compact Flash[®] media drive, network capability and 12-bit imaging.

Image acquisition is enhanced with a display of the image dynamic and an automatic pixel saturation warning. These ensure optimum quality of the final image, which can then be instantly printed or saved for analysis.

The exquisite precision and resolution delivers reliable results for both quantification and publication.



> KEY FEATURES

- Fantastic ease of use & ease to clean
- Free software for image analysis
- Best specifications on the market
- No computer required / 9 inches monitor
- State of the art optics and camera
- LAN network connection & Compact Flash[®] card with USB adapter
- Scientific grade camera with 12-bit imaging
- All the controls to get the optimum image
- Pure image integrity & GLP compliance
- Exclusive Vilber Lourmat's UV Master[™] technology

> APPLICATIONS

• NUCLEIC ACID DETECTION

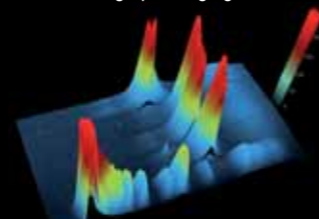
Ethidium bromide, SYBR[™] Green, SYBR[™] Gold, Texas red[™], Gel Star[™]

• PROTEIN DETECTION

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

• OTHER

Petri dish imaging
Microplate imaging
Autoradiograph imaging



> REFERENCE LIST

- European Neuroscience Institute (Göttingen, Germany)
- Biozentrum (Basel, Switzerland)
- Ecole Normale supérieure (Lyon, France)
- Ospedale Policlinico (Pavia, Italy)
- DKFZ (German Cancer Research Centre) (Heidelberg, Germany)



> TESTIMONIALS

“ We were impressed by the incredibly ingenious E-Box features. Our system performs almost everything a PC based gel doc can do. The image quality is simply astonishing with the 12-bit imaging. With the network capabilities, ethidium bromide remains in the lab. We can simply download the image from the comfort of our office. ”





Network capabilities



12-bit imaging



Compact Flash® media drive

Stand-alone legend

Network capabilities

Connect your E-BOX to your network and download your gel image from the comfort of your office. The E-BOX has a unique IP address which allows you to connect the system to your LAN network for downloading. The image acquisition is performed in your bench and the image is saved in the internal memory of the E-BOX. Then, from your office, you can easily download the image using the E-Capt software.

12-bit imaging

E-BOX is a true 12-bit system which produces 4 096 grey levels. E-BOX can achieve the imaging of large intensity difference and can detect easily very bright and very faint bands. In addition to that, the high dynamic range delivers high accuracy for both quantification and documentation.

Compact Flash® & USB adaptor

Compact Flash® is a professional grade memory card designs for the most demanding imaging applications. The Compact Flash® allows for quick and easy transfer of images between the E-BOX and the PC or Mac through the USB port. With the speed of a memory chip and better portability than a floppy, the Compact Flash® offers greater storage than many other media cards. They are available in a variety of capacities, so you are sure to find the right size to fit your needs.

> FANTASTIC EASE OR USE

E-Box has a fantastic ease of use. The system is ergonomically designed with a simple and easy-to-clean keyboard.

The image acquisition process is as quick as intuitive: adjust your exposure, freeze save or print. The user-interface has rich features and guides you into the advanced functions such as selecting and image format selection or deleting an image.



> FREE E-CAPT SOFTWARE

E-Capt is the free software supplied with the E-BOX systems.

This very user-friendly software is based on five main components: image enhancement, molecular weight calculation, band quantification, distance calculation (RF) and colony counting.



SPECIFICATIONS	E-BOX 3000	E-BOX 1500	E-BOX 1000
Camera and optics	Monochrome scientific grade CCD camera (Grade 0, 0 defect). Real time and integration time.	Monochrome scientific grade CCD camera (Grade 0, 0 defect). Real time and integration time.	Monochrome scientific grade CCD camera (Grade 0, 0 defect). Real time and integration time.
Pixel depth	True 12-bit , 4,096 grey levels. Image integrity: no software modification of the pixel depth	True 12-bit , 4,096 grey levels. Image integrity: no software modification of the pixel depth	True 12-bit , 4,096 grey levels. Image integrity: no software modification of the pixel depth
Resolution	752 (H) x 582 (V) = 437 664 pixels.	752 (H) x 582 (V) = 437 664 pixels.	752 (H) x 582 (V) = 437 664 pixels.
Sensitivity	High sensitivity for DNA/Protein fluorescence.	High sensitivity for DNA/Protein fluorescence.	High sensitivity for DNA/Protein fluorescence.
Zoom	Scientific grade zoom lens. Manual or motorised configurations.	Scientific grade zoom lens. Manual or motorised configurations.	Scientific grade zoom lens. Manual or motorised configurations.
Output	TIFF, BMP or JPEG file format. Compact Flash® media drive with USB adapter. IP address for LAN network connection . Video monitor (BNC connection). Monochrome video printer (BNC connection).	TIFF, BMP or JPEG file format. Compact Flash® media drive with USB adapter. IP address for LAN network connection . Video monitor (BNC connection). Monochrome video printer (BNC connection).	TIFF, BMP or JPEG file format. Compact Flash® media drive with USB adapter. IP address for LAN network connection . Video monitor (BNC connection). Monochrome video printer (BNC connection).
Software	E-Box is supplied with the E-Capt software for image downloading, image enhancement and basic image analysis. The E-Box images are compatible with Bio-1D and Bio-Gene software for quantification: transform your 1D gel into 3D results.		

CONFIGURATIONS

	E-BOX 3000	E-BOX 1500	E-BOX 1000
Darkroom	CN-3000 darkroom Includes a slide-out build-in transilluminator & UV security switch. Multipositions filter slide. Upgradable to StarLight module.	CN-1500 darkroom Includes a slide-out build-in transilluminator & UV security switch. Multipositions filter slide.	CN-1000 darkroom Includes a slide-out build-in transilluminator & UV security switch. Multipositions filter slide.
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)