

E-BOX

E-BOX is a complete stand-alone system with unparalleled control of imaging. The system combines a very 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

- No computer required for image acquisition or printing
- Publication and quantification of high quality images
- What you see is what you get
- 12-bit imaging
- Highly sensitive CCD camera
- Compact Flash® saving media
- IP address for network capability
- Pixel saturation warning
- All the necessary information to ensure the optimum quality of your image
- Compact and robust darkroom
- TIFF, BMP or JPEG format
- Good laboratory practice file (GLP)



Ultra high pixel depth



Optional motorized zoom



Real time



Gray scale monitoring



Saturation warning



Free Software



Electronic Transilluminator

Applications

Nucleic acid detection

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

Protein detection

- Coomassie blue
- Sypro™ Orange
- Sypro™ Red
- Silver Stain

Other

- Petri dish imaging
- Microplate imaging
- Autoradiograph imaging



Specifications

Camera and optics	<p>Monochrome scientific grade camera (Grade 0, zero defect) Real time and integration time</p> <p>Image integrity: no software modification of the pixel depth 2 camera pixel depth modes, controlled by the user: - 12-bit, 4096 gray levels - 8-bit, 256 gray levels</p> <p>Super-high sensitivity (10⁵ lux) 0.01ng of ethidium bromide stained DNA</p> <p>752 (H) x 582 (V) = 437 664 pixels</p> <p>Scientific grade zoom. Optional motorized zoom for E-Box 3000</p> <p>Filter: F590 UV/IR interference filter for most common DNA gels. Other filters available. Please contact us for details.</p>
Output	<p>Compact Flash media drive IP address for LAN network connection Video monitor (BNC connection) Monochrome video printer (BNC connection)</p>

Configurations

E-Box 3000 – CN-3000 darkroom

Darkroom	Includes a slide out drawer that houses any ECX 8- watt UV tables with high frequency electronic ballast. It reduces the heat to protect your gel and eliminate any flickering effect for a better imaging.
Epi-illumination	Uniform white light or UV light source
Maximum UV table filter size	21 x 26 cm

E-Box 215– CN-215 darkroom

Darkroom	Fits on the UV/white light Vilber transilluminator
Epi-illumination	Overhead white light for gel positioning
Maximum uv table filter size	20 x 20 cm for UV light; 20 x 20 cm for white light

E-Box 115 – CN-115 darkroom

Darkroom	Fits on all ETX 15 watt transilluminator with high frequency electronic ballast. It reduces the heat to protect your gel and eliminate any flickering effect for a better imaging.
Epi-illumination	Overhead white light for gel positioning
Maximum uv table filter size	20 x 35 cm or 25 x 35 cm

E-Box 1000 CN- 1000 darkroom

Darkroom	Includes a slide out 8 watt transilluminators with high frequency electronic ballast. It reduces the heat to protect your gel and eliminates any flickering effect for a better imaging.
Epi-illumination	Overhead white light for gel positioning
Maximum uv table filter size	21 x 26 cm

PURE PREMIUM

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® MEDIA DRIVE

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® offer 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.

NETWORKS CAPABILITY

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.

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.

12 EXCELLENT REASONS TO CHOOSE E-BOX

1. Best specifications on the market
2. LAN network connection
3. CompactFlash® card
4. 12-bit imaging
5. What you see is what you print
6. 9 inches monitor
7. All the controls to get the optimum image
8. Free software for image analysis
9. Pure image integrity
10. Good laboratory practice file
11. Metalwork's darkroom build for robustness
12. Scientific grade optics and camera

