



# E-BOX SIMPLY PRECISE

STAND-ALONE  
GEL IMAGING



## PADBOX™ SYSTEM OR BUILT-IN TRANSILLUMINATOR



► We offer two versions of the E-Box CX5: the transilluminator version and the **PadBox** version. The transilluminator version is equipped with a slide-out UV table for easier sample handling. It is very convenient to position and to cut the gel outside the cabinet and then to slide it inside for acquisition. **The PadBox** version can also be slid out of the darkroom and can accommodate a very easily removable Application Pad.

► As gel documentation moves from single UV excitation source to a wide variety of lighting options, the **PadBox** concept meets the need for accommodating several interchangeable light sources into one device. The **PadBox** can easily integrate one of the several available Application Pads such as our UV, blue, white light or your own hardware such as heater, cooler, electrophoresis tank, special light source etc. The Application Pad is automatically recognized by the E-Box CX5 and the imaging and software options are adjusted accordingly.

► We offer a choice of more than 10 different Application Pads for excitation in the UV, the blue, the green and the red spectrums.

## THE APPS STUDIO™ APPLICATION LIBRARY

► The E-Box CX5 can accommodate up to 6 excitation channels in the UV and visible area. This is ideal for a large array of applications such as DNA or RNA gels, 1D protein fluorescent gels, stain free gels...

► A large number of dyes and stains could be used such as Ethidium Bromide, Sybr-Safe, Sybr-Green, Gel-Red, Gel-Green, Sybr-gold, GFP, Pro-Q Emerald 300, Sypro-Ruby, FITC, DAPI, Coomassie blue, silver stain, Ponceau S Red, copper stain, zinc stain...

► The E-Box CX5 includes our revolutionary **Apps Studio** approach to imaging. The **Apps Studio** is an innovative library of applications which contains more than 40 different protocols for your gel, colony dish, microplate and other fluorescent or colorimetric samples.

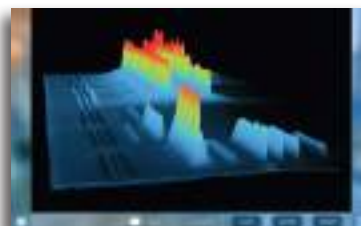
► The **Apps Studio** contains the excitation and the emission spectra of the main fluorophores used in modern molecular biology laboratory. It also suggests the best possible system configuration in terms of light source excitation, emission filter and sensitivity level. The **Apps Studio** ensures reproducibility and one click image acquisition for the best ease of use.



40 different application protocols



A large number of stains can be imaged



Real time 3D Scan

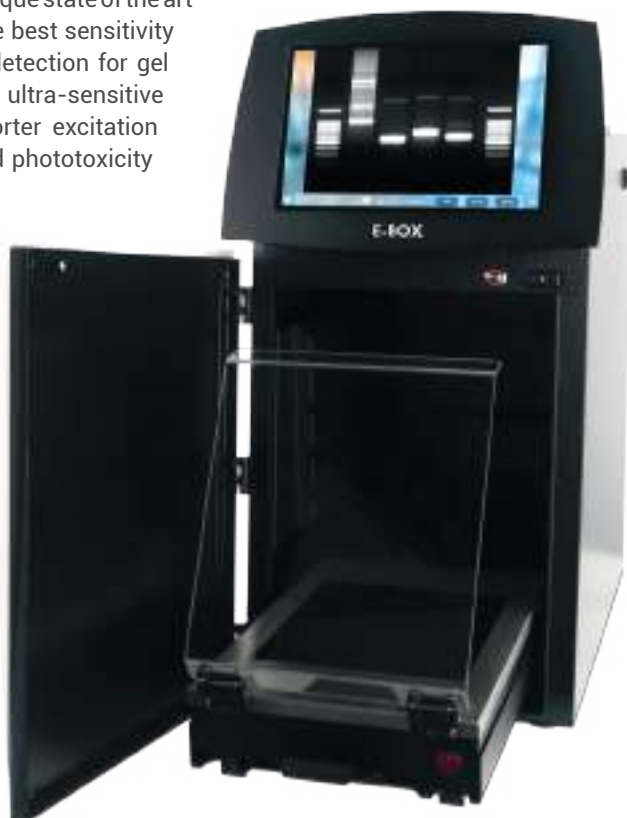
## ULTRA SENSITIVE IMAGING & SUPER RESOLUTION

► Using the most advanced back illuminated sensor technology to collect more light, in combination with our unique state of the art motorized zoom lens, **the E-Box CX5** offers the best sensitivity and speed, and reaches the lowest limits of detection for gel documentation applications. For fluorescence, ultra-sensitive detection capability facilitates the use of shorter excitation exposure, thereby reducing photobleaching and phototoxicity and lowering dye concentrations.

► **The E-Box CX5** technology provides unparalleled 5 megapixel native resolution and 20 extended resolution without compromising read noise, dynamic range, field of view and sensitivity. This means up to 4 times more accurate and more quantitative data compared to competitors.

► Our **CX5** scientific grade camera has been specifically designed for quantitative scientific imaging and signal measurement.

► Our new camera generation produces excellent results in low light conditions, with noise level being half that of previous levels. As a result, you experience a higher visual image with a very high level of detail and more quantitative information.



## ONE CLICK TO THE IMAGE

► **The E-Box CX5** has unrivalled ease of use thanks to its built-in computer controlled camera, lens and lighting. With just one click, the system will automatically capture the best possible image. Select your application, click on Start and automatically the system will light on the transilluminator, adjust the lens, auto-expose and switch off the UV. The image acquisition process is as quick as instinctive.

► **The E-Box CX5** includes our unique Dynamic 3D scan technology. The 3D Dynamic Scan images your sample in real time and reconstructs the data to create live three dimensional models. The 3D reconstruction provides direct information regarding the image dynamic, background level and protein or DNA quantity. A little change of exposure time will refresh the 3D view automatically. The saturation effect can be controlled live before the image is frozen.

► **The E-Box CX5** has rich features and guides you into the advanced functions in a very ergonomically designed user interface. The simple and self-understandable menu is ideal in a multi-user environment.



AutoExposure: just one click to the image



Inverse your image at your fingertips



Visualize the saturation in live

# E-BOX CX5



## **3D Dynamic Scan™**

Control in 3D your image dynamic and saturation before the image is frozen.



## **Apps Studio™**

A complete library of applications to ensure reproducibility and ease of use.



## **PadBox™ Concept**

Interchangeable Application Pad for excitation in the UV, the blue, the green and the red spectrums.



## **One click to the image**

Automatic control of the camera, lens and lighting for an unrivalled ease of use.



## **SuperResolution**

Higher visual image with a very high level of detail and more quantitative information.



## **Magster™ Technology**

High contrast medical grade touch screen display with magnesium reinforced protection glass.



**SO**

**EASY !**



## LONG LASTING HIGH QUALITY

- Very large 12.6" touch screen display with Magster technology
- Steel and stainless steel darkroom
- Scientific camera made in Germany

## PERFORMANCE

- Scientific grade camera - 5 megapixel extendable to 20 and passive cooling
- High sensitivity for fluorescence detection
- USB3 connection - 16-bit - 65 536 grey levels
- Motorized zoom lens

## COMPLETE & PRACTICAL

- Small footprint
- Complete network connectivity
- 3D Dynamic Scan & Apps Studio
- Vision-Capt software for image editing and image analysis

## EASE OF USE

- Stand-alone system: no computer required
- One click to get the image
- Auto-exposure and automatic illumination control
- Automatic UV shut-off after few minutes of non-use
- Easy to clean



## CONFIGURATIONS AND OPTIONS

We offer two versions of the **E-Box CX5**: the transilluminator version and the Pad version. In the Pad version, the Pad is removable from the cabinet. This is not the case for the transilluminator version.

**E-Box CX5.TS.26MX** with build-in and slide-out Super-Bright transilluminator 26x21cm UV filter.

**E-Box CX5.TS** with build-in slide out PadBox. Needs to be completed with an Application Pad.

All Application Pads can be used as a standalone illumination device outside the **E-Box CX5** system, with an optional plug adaptor. The Sky-Pad requires an additional emission filter.

- ▶ **UV-Pad**: single or dual wavelength
- ▶ **Super-Bright-Pad**
- ▶ **Sky-Pad**: LED blue transilluminator, 470nm
- ▶ **White-Light-Pad**: LED white transilluminator



# VILBER

## HEADQUARTERS

### **Vilber Lourmat**

BP-31 - ZAC de Lamirault - Collégien  
F-77601 Marne-la-Vallée cedex 3  
France  
T.: +33 (0) 1 60 06 07 71  
[info@vilber.com](mailto:info@vilber.com)

## GERMAN OFFICE

### **Vilber Lourmat Deutschland GmbH**

Wielandstrasse 2  
D-88436 Eberhardzell  
Deutschland  
T.: 49 (0) 7355 931 380  
[info@vilber.de](mailto:info@vilber.de)

## TURN YOUR SEARCH INTO ANSWERS

VILBER is the leading European provider of molecular imaging systems, analysis software and UV fluorescence equipment.

Founded over 60 years ago to serve the research, VILBER has been the pioneer in the post electrophoresis market and has introduced breakthrough products such as stand alone gel-documentation, Bio-1D imaging software, Super-Bright UV technology, dedicated chemiluminescence imaging system and 3D approach to 1D gel analysis.

Through a network of owned subsidiary offices and local distributors located in over 60 countries around the world, VILBER offers a broad range of products.

For more information about VILBER, visit our website at [www.vilber.com](http://www.vilber.com)