

# MiniBIS Pro

A compact system for superior results



## The MiniBIS Pro advantages

- Real-time image viewing and analysis
- Scientific high-resolution camera
- Superior optics with super bright lens
- Unique D-Transilluminator with interchangeable drawers
- Compact, safe and easy to use

### Compact imaging system for superior results

Convenient and reliable, DNR's MiniBIS Pro continues to be a favorite among budget-conscious, quality consuming, life science researchers. Suited to fluorescent and colorimetric documentation, the MiniBIS Pro consistently delivers fast, accurate, high-quality results.

Especially designed for the research laboratory, the MiniBIS Pro allows researchers to store, analyze, and annotate acquired images on their PCs using DNR's acquisition and analysis software.

### Real-time quality imaging

MiniBIS Pro uses highly sensitive CMOS camera to combine the demanding requirements of professional imaging with the capabilities of an advanced life science research system. With its 16-bit, 1.3 Mpixel camera, and high-quality optics that include a super bright lens, the MiniBIS Pro produces sharp, clear images with minimal geometric and light distortion. Before saving an image, users can view, zoom, and focus — all in real time. Direct transfer of images from camera to PC maintains the original resolution and dynamic range.

### Fast, simple workflow

Easy to set up with a user-friendly interface, MiniBIS Pro provides quick, accurate image acquisition and results, ensuring efficiency and productivity in the laboratory. Fully controlled by the PC, MiniBIS Pro's USB 2.0 interface connects easily to any laptop or PC.

### Unique D-Transilluminator

Equipped with DNR's D-Transilluminator, the MiniBIS Pro permits quick exchange between the UV and white light drawers. An Automatic Drawer Detection technology identifies the type of drawer in use and adjusts the software settings accordingly. Designed for safety, the UV illumination activates only when the drawer and the door are safely closed.

### Standard with GelCapture

GelCapture is DNR's advanced image acquisition software for acquiring the best image in the minimum amount of time. GelCapture is standard in all DNR's gel documentation systems for complete, automatic control of configuring, capturing, and saving sample images for analysis.



Bio-Imaging Systems

Advanced Technologies for Breakthrough Results

# MiniBIS Pro Specifications

## Valuable savings

- **Space:** Distinctive and attractively styled, MiniBIS Pro has a small footprint, saving valuable laboratory benchtop space.
- **Time:** Real-time imaging power and a user-friendly GUI made for quick and accurate image acquisition and processing.
- **Money:** MiniBIS Pro employs high scientific technology to deliver results at a fraction of the cost.

## Camera

- Type CMOS
- Resolution 1280 (H) x 1024 (V); 1.3 Mpixels
- Gradation 16-bit (65,536 gray levels)
- Dynamic range 3.8 orders of magnitude
- Exposure time 0.124 sec to 1 min

## Optics

- Super bright lens F/0.95 fixed lens  
Standard: 25 mm  
Optional: 17 mm
- Digital zoom Real time x 6
- Field of view 15 cm x 12 cm for 25 mm lens or  
17 cm x 21 cm for 17 mm lens
- Emission filter Orange filter (wide range of filters available)

## Transilluminator

- Drawers Built-in D-Transilluminator with two interchangeable drawers: UV drawer, WL drawer  
Optional: UV drawer with UV to WL converter
- Illumination modes Trans-UV, Trans-WL
- Excitation sources White light  
UV source: 312 nm, optional: 254 nm and 365 nm

## Software

- Image capture DNR's GelCapture, free lifetime upgrade
- ID image analysis DNR's GelQuant  
Optional: TL-100 (Nonlinear Dynamics)

## System Requirements

- Processor Pentium IV
- Operating system (PC/laptop) Windows 2000/XP, 128 MB RAM  
16 MB video card  
CD-ROM drive
- Interface USB 2.0
- Dimensions (W x D x H) 37 cm x 45 cm x 50.5 cm
- Power 100 - 230V AC / 50 - 60 Hz

## Accessories

- Thermal and dye sublimation printers
- UV safety cover

## Applications

- Detection and quantitation of nucleic acid stains and labels, including Ethidium Bromide, GelStar™, SYBR™ Gold, Fluorescein, Texas Red™, and more.
- TLC plates, spot and slot blots, autoradiographs, microplates, macroarrays, membranes, and more.