

# Gel Imaging System



HT8500YT Integrated automatic gel imaging system

## Characteristic:

Built-in industrial PC, stable operation  
Fully sealed modular integrated circuit to enhance stability;  
Professional gel shooting and analysis software, easy to operate  
The high-definition preview window of the software can observe the real-time experimental results, which is more convenient  
Corrosion-resistant metal dark box, anti-static and anti-interference, increasing safety  
Ultraviolet macro-sensing intelligent power-off protection function, safer operation  
Push-pull drawer door opening, strong airtightness of the dark box, maximizing the reduction of pollution areas  
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## Built-in industrial PC:

Processor: Intel 1037U Atom Dual Core 1.8GHz  
Memory: DDR3 2G  
Hard disk: SATA 120G electronic disk  
USB: 4 group external USB  
Serial port: 5 groups com232 serial ports/1 group con485 ports  
Network port: RTL8111 controller, dual gigabit network ports

## Resistive touch screen

Resolution: 4096x 4096  
Integral shooting, can expose samples for a long time, can perform image overlay processing, and better present weak nucleic acid fluorescent bands  
Lens: Imported 6x optical zoom, motorized three-variable large-aperture Qualcomm lens  
Drawer type UV transilluminators: UV302nm, standard configuration 22\*22cm  
Equipped with a professional protective cover for cutting gel, more safe and quick  
Built-in white light transmission plate, 21\*31\*0.7cm  
Optical fiber Luminescence technology, uniform optical density, 12V safety voltage  
White light reflector: double-sided high-brightness LED integrated light source, low powerconsumption, long life  
Filter: 590nm special imported coated filter for gel  
Software: Gel professional shooting analysis software

## Software function:

Full English operation interface.

The software has an encryption function to increase the security of experimental data.Direct control of digital CCD and zoom lens, exposure time, aperture, focus.

Image editing and processing functions: including image editing, deletion, pasting, copying, adding text, symbols, rotation, negative effects, black and white inversion, etc.

It can be stained with various gel dyes such as EB, and can automatically identify band patterns or lanes of images such as DNA, RNA, protein gel, ELISA, TLC, and dot hybridization, and perform autoradiographic film imaging and analysis, and colony imaging and analysis , and automatically determine the molecular weight, IOD value, optical density value, etc.

Real-time automatic exposure function, get the best image effect

Various data tables can be saved in Excel format and printed,

All images can be copied, pasted and printed,

All images and charts can be imported into files in various formats such as Excel and Word for editing;

Software lifetime free network upgrades.

## Technical Specification:

Effective pixels: 2560\*1920

Resolution: 5 millions

Pixel density: 16Bit

Exposure time: 1ms-180ms

Sensitivity: Can detect less than 20pgEB stained double-stranded DNA