Gel Imaging Analysis System

BSCGELA-GI Nano



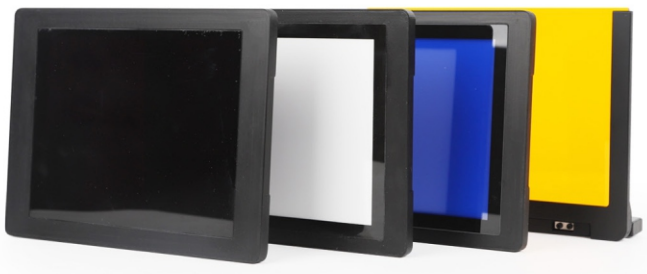
- 10.1-inch touch screen display
- Array transmission light source layout
- Three wavelength options: UV/Blue/White
- High resolution imaging, scientific grade industrial camera
- Fully automatic modular control
- Intelligent image processing

Product introduction

The new generation of three wavelength integrated gel im aging analysis system is specially designed for scientific ap plication. It is equipped with a high resolution 2592 x 1944 pixel camera and a 16bit gray scale depth, which emures the high definition and delicacy of the image, its unique there wavelength LED light source (blue/ultraviolet/white sup parts various experimental needs and achieves precise ad justment through electric control

Built in dual core 15 processor, 8GB memory, and 256GB solid-state drive, combined with a 10 inch capacitive touch screen, providing fast response and intuitive operation experience. The intelligent software has comprehensive image procsssing functions,including 1D analysis, automatic identification of swimlanes and stripes, etc, and is suitable for the analysis of gel electrophoresis results. The system has a compact structure and good seshing, preventing light leakage and ensuring high quality imaging results.

Product Details





Advantages & Characteristics

- Integrated design: Built in computer, ready to use upon startup, 10.1-inch touchscreen
- Multi functional light source: UV/blue/white lignt with three wave-length options to meet the needs of different samples
- High resolution imaging: a research grade industrial camera with 16 bit grayscale depth to capture subtle differences and ensure Image quality;
- High degree of automation: fully automated modular control from light source to cutting device, improving efficiency;
- Intelligent image processing: Built in software supports rich image editing functions and 1D analysis, making it convenient for users to perform data analysis;
- Humanized design: automatic saving of path settings, d' erse in ige naming, easy management and organization of files;
- Security protection: Sealed and leak free dark box design, equipped with an automatic door opening protection system to ensure the safety of users;



Technical Parameter

Camera	High resolution scientific research grade camera
Effective pixels	2502x1944(503million)
Pixel density	16 bit (65536 grayscale)
Pixel size	5.2μm x5.2μm
Photosensitive efficiency	75%
Signal to noise ratio	69.8d8
Read the dry sound	5.1e- RMS
Lens	High transparency large aperture electric fixed focus lens
Optical filter	Imported 590nm, optional with other filters
Transmitting area	130x170mm Visible light transmission area:130×170mum
Falling white light	High brightness LED cold light source on both sides
Sample stage	Automatic recognition of UV/blue/white light sample stage, optional electric sample stage
Glue cutting device	Standard configuration of dedicated rubber. cutting device, adjustable from multiple angles
Turn Off lights	1-60 minutes without operation, auto matically turn off the light source

Structure	Sealed and Irak free, microprocessor controlled dark box, automatic door opening protection system
Computer	Built in dual core 15 CPU, 8GB memory, 256GB solid-state drive
Image capture	Light source/lens/camera control, manual focusing, image capture, image management
Image processing	Adjust brightness, contrast Gamma, Image rotation/color reversal/cropping/scaling, etc
1D analysis Function	Automatic/manual recognition of lanes, automatic/manual recition of stripes, etc
Printing Junction	The operating software comes with a direct printing window
Storage function	There is a defauit path for saving images, so there is no need to manually save them: You can also customize the save path before shooting
Naming function	According to diferente habits there aremultiple ways to name images Preset, rename, rennem mages simultaneously, automatically name based on image properties
Data export	The results can be exported to Excel
Size	365x290x350mm
Weight	8.5 kg
Language	One click sitching between Chinese and English