GEL DOCUMENTATION SYSTEM RIC-710

MAIN FEATURES

Various choices of CCD camera

More reliable

Camera fully enclosed in darkroom, free from dust and Vibrations

Protecting from UV irradiation with the design of auto shutoff UV lights when open the door.

Standard UV trans-illuminator wavelength 312nm, 254/365 optional

Easy to change filter, as it positioned at the top of the darkroom

LCD screen to make easier object position and focus (only for model RIC-710B)

SPECIFICATION

Model	RIC-710A	RIC-710B	RIC-710C	RIC-710D	RIC-710E
Camera	Digital camera	CCD camera	CMOS camera	Firewire CCD Camera	Firewire CCD Camera
Pixol resolution	4416x3312 (14.6 Megapixel)	752x582 (0.4 Megapixel)	1280x1024 (1.3 Megapixel)	1360x1024 (1.4 Megapixel) or 5 Megapixel	1600x1200 (1.9 Megapixel)
Bit depth	24bit	8bit	8bit	12bit	12 bit
PC interface	USB 2.0	BNC	USB 2.0	IEEE 1394	IEEE 1394
Lens type	Automatic	6xmotorized zoom			
Darkroom	Light, tight,UV safety shutoff, CCD input, free from dust and Vibration				
Filter	Standard F590 filter with layers coating (Other filter optional)				
Operation panel	Full function control panel for zoom, focus, lris and illuminator				
Display panel	None	Built-in LCD	None	None	None
UV Trans-illuminator	Transmitted area 21cmx26cm wave length 312nm(254nm,365nm selectable)				
Trans white	Uniform white trans- illumination converter plate				
Epi-UV	Epi-UV illumination source (option)				
Epi-white	Durable LED reflection				
Software	Gel imaging software has the function of database, imagecapture, image edit and image analysis				
Power	110/220V	110/220V	110/220V	110/220V	110/220V
Dimension (W*H*D)	430*410*560 mm	430*410*560 mm	430*410*560 mm	430*410*560 mm	430*410*560 mm
Weight	22kg	22kg	22kg	22kg	22kg

SOFTWARE INTRODUCTION

The software is configured with the system is a Sophisticated package provides comprehensive tools for image captur
gels. capabilities include:

IMAGE CAPTURE

Compatible with win98/Me/200/xp
Full automatic control of the camara,zoom, image capture and the illuminator
Automatic focusing, real time previewing
capture of image under different formats (TIFF, BitMap, JPEG, GIF)

IMAGE EDIT

Zoom in or out image infinitely
Positive or negative image
Rotation, Vertical or horizontal mirrors, inversion
Cut, copy, crop and past functions
brightness and contrast adjustment, background subtraction
Change picture formats
The image data graph can be printed

IMAGE ANALYSIS

Automatic identification of band and lanes
Add or delete band, adjust or move lanes
Calculation of volume, area and intensity
Calculation of Molecular Weight and bp
Colony counting

IMAGE DATABASE

Create different database according to user , easy to mange amounts of the gel images
Find the wanted image by capture time or image type.
Export your analysis results (including total amount analysis, molecular weight analysis and light density
analysis to Word, Exel compatible file.
Print image and report

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RIC is continually improving its products & reserves the right to change specifications without prior notice.