BIOSPECTRIX PVT LTD

Imaging System

BSCHEMIIMG-MINI910



Chemiluminescence Imager

Multifunctional Imager

Gel Documentation

BioSpectrix Pvt. Ltd | Plot-211, 3rd Floor, Okhla Industrial Area, Phase-3, New Delhi -110020, India | www.biospectrix.co | sales@biospectrix.co

CHEMILUMINISCENCE IMAGING SYSTEM



Mini Chemi Imager



Gel Doc System

Features

- Sensitive Cooled Digital Camera
- Electronic lifting platfrom and accurate auto focus function provide the available view area for diverse sizes of the sample
- Premium series adopt (optional) removable indu mal computers, which provide high feasibility, running speed and avoid the after sales possibilities of the embedded PADS



Electronic lifting platfrom and accurate auto focus



Removable industrial computer

Mini Chemi Imager



Introduction

Smart, Compact and saving the space. Optional removable industrial compute provides high feasibility, running speed and avoids the after sales possibilities of the embedded PADs.

Features

- Smart and compact
- User friendly Interface
- Focus on Chemi maging Application
- High sensitive cooled digital camera
- Unlimited softwanmusers



Parameters

Model		BSCHEMIIMG-MINI910	BSCHEMIMG- MINI600
Cooled digital Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76x3.76 µm	4.54 x 4.54 µm
	Temperature	30 degree regulated	
	Dynamic Range	4.8OD	
	Pixel density	16bit (65536 Grey scales)	
Lens	Fixed Lens	F0.95 as stondard (optional F0.8	
Industrial Computer		Removable industrial computer,10.1 Inch Screen, Intel processor 128GB Solid Drive Note CIPad Mini 910+/600+ with acomputer CIPad -Mini 910/600 without computer	
Fluorescent Module	Optional	Epl-UV, RGB-and NIR available	
Software	Capture	Capture Software	
	Analysis	Analysis Analyals Software	

Gel Doc system



Introduction

Smart, Compact and saving the space. Optional removable industrial compute provides high feasibility, running speed and avoids the after sales possibilities of the embedded PADs.

Features

- Smart and compact
- User Friendly Interface
- Focus on DNA/RNA ved protein gys
- Unamited softwareusets

Standard Parameters

Model		BSCHEMIMG- MINi630 (+)
Camera	Resolution	6.3 Megapixels, 3072x2048
	Pixel density	16bit (65536 gray scoles)
	Quantum efficiency	97%
	Sensitivity	Lower than 5pg EB stained DNA
Lens	Motorized	F1.2 motorized lens
Sample tray	Gel documentation	DNA/RNA sompe tray: 17x13cm Blue LED Transmision
	Protein Gels	White LED transmission 17x13cm
Software	SHST	Capture and Arldlysis Software

Optional accessories

Industrial computer	Removable	10.1 inch Touch Screen, Intel processorr 1280B Solid State Drive Note: GIPad him with a computer GiPad Mini 630 without computer

Elite Chemi Imager



Introduction

Smart, Compact and saving the space. Designed specifica chemiluminescence. High end refrigeration camera, easy to operate.

Features

- Smart and compact.
- Standard for Chemiluminescence.
- Auto Focus.
- Unlimited software users.



Parameters

Model		BSCHEMIIMG-MINI910	BSCHEMIMG- MINI600
Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76x3.76 µm	4.54 x 4.54 µm
	Pixel density	16bit (65536 Grey scales)	
	Dynamic Range	4.8OD	
	Temperature	-30 degree regulated	
Lens	Electronic Lens	F0.95 as stondard (optional F0.8	
	Focus	Auto focus	
Software	Capture	Capture Software	
	Analysis	Analysis Software	

Chemi Imager(Classical)



Features

- Focus on Chemi Imaging Application
- High sensitive cooled digital camera
- Optional Fluorescent application
- Unlimited software users

Standad Parameters

Model		BSCHEMIIMG-MINI910	BSCHEMIMG- MINI600
Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76x3.76 µm	4.54 x 4.54 µm
	Pixel density	16bit (65536 Grey scales)	
	Dynamic Range	4.8OD	
	Temperature	-30 degree regulated	
Lens	Fixed Lens	F0.95 as stondard (optional F0.8	
	Focus	Auto focus	
Sample tray		4 Layers chemiluminescence sample tray	
Software	Capture	Capture Software	
	Analysis	Analysis Analyals Software	

Optional accessories

Fluorescent Module	Light source	365nm-470nm-530mm-630mm 660nm-770nem etc
	Filters	Auto focus
	Filter wheel	Optinonal eight position filter wheel

Multifunctional Imager (Classical)



Features

- Standard for Chemiluminescence,Gel doc & Protein Gels
- Cooled sensitive digital camera
- Module design
- Optional Fluorescent Application

Standad Parameters

Model		BSCHEMIIMG-MINI910	BSCHEMIMG- MINI600
Cooled digital Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76x3.76 µm	4.54 x 4.54 µm
	Temperature	-30 degree regulated	
	Dynamic Range	4.8OD	
	Pixel density	16bit (65536 Grey scales)	
Lens	Electronic Lens	F0.95 as stondard (optional F0.8 is Optional),Accurate auto foucs	
Sample	Chemi Imaging	4 Layers manual sample tray	
	Gel Documentation	UV transtuminator (Area 21x26cm fixed), Bluetransmission as optional	
	Protein Gels	White LED transmission (Area 21x26 fixed)	
	Optional florescent Module	Fpi-UV RGBand NIR fluarescent module as optional	
Filter wheel	5 position	Standard 5 position filter wheel.(8 position opational)	
Software	Capture	Capture Software	
	Analysis	Analysis Analysis Software	

Gel Doc System (Classical)

Features

- UP to 20 Megapixels
- Auto Focus
- Real White LED transmission
- Numeric Focus and Aperture



Specification

Model		GI 500	GL- 2000
Digital Camera	Resolution	5Megapixels, 2592* 1944	20Megapixels, 4800*4440
	Dynamic Range	4.8OD	
	Pixel density	16bit (65536 Grey Scales)	
Lens	Motorized Lens	F1.2 Motorized Lens	
	Resolution	20 Megapixels	
	Control	Numeric Focus controlled via Software	
Light Source	UV transmission	302nm as standard, Image Area: 21x26cm (Optional 254nm. 365nm)	
	White LED transmission	Real white LED transmission, Image Area:19x26cm	
	Optional Blue LED transmission	Optional Blue LED transmission, Image Area:19x26cm	
Filter system	Filter	standard filter for gel doc application	
Software	Capture	Capture software	
	Analysis	Analysis Software	

Chemi Imager(Classical)



Features

- Application range: Gel documentation, Protein gel.
- Automatic focusing, the software realizes the automatic focusing of samples by algorithm, avoiding the error of human judgment
- The above trays and filter system are available for the dyes such as EtBr, Gel Red, Gold view, SYBR™gold, SYBR™Green, Gel green etc
- Image acquisition software and Image analysis software for unlimited users.

Parameters (Standad and optional)

Model		GI-500P(+)
Camera	Resolution	5 Megapixels, 2592-1944
	Pixel density	16bit 65536 Grey scales)
	Quantum efficiency	7%
	Readout noise	-1e-RMS
	S R	7 .1ab
	M torized	3 IF1.2 motonzed lens
Lens	Gel documentation	DNA/RNA LY trarmission: Peak wavelength 302nm, Area 2kkm26cm
	Protein Gels	Wire LED plate Area biomticm
Software	Capture	Cacture and Analysis Software

Optional accessories	
Industrial computer	
Blue LED plate	eak wavelength Peak 470nm Area:19cm*26cm

Capture/Analysis Software

Capture

- Runs without the software encryption devices, so as to avoid the inability of experiments due to the loss or damage of encryption devices.
- Automatic exposure: The system automatically recognizes the sample intensity, automatically sets the optimal single exposure time and obtains a single image without the need for manual settings.
- Multlingual interface, real time image acauisition function, used for quisition of leic acid, protein electrophoresis gel imagesand chemiluminescence images, GLP function, recording image generation time, shooting parameters an er information.
- Binning modes such as1X1, 2X2, 3x3, 4x4 increase sensitivity of the system, so o capture the weak bands
- Automatic acjustment of grayscale, without manual adjustment of display pa ameters,can automatically present efective signals in the image perfectly, Real time temperature display of the conled CCD camera, so as to ensure the sampie imape acaulsition under optimal condition of the camera
- Multi frame function provides four accumulation inodes time accumulation, grayscale accumulation, gryscales seves and tietieseneti Overlay the Marker and Sample after acquisition, avoid manual stacking
- Multiple pseudo colors display bright bands in diferent colors, and mailie teasy to view the strength and weakness of the sample
- Database management of sample inages allows to view information on san ple images captured at any time,in the dast.
- Automatic exposure function, the automatic exposure alponthm designed with a large numer of sample pictures as samples, to calculate theaccurate exposure time accurate exposure time

BIOSPECTRIX PVT LTD



Water Purification System
Freeze Dryer/Lyophilizer
Biosafety Cabinet/Laminar Flow

Biofermentation Solution
Shaking Incubator/Shaker
Cold Storage Solution

Glassware Washer
Autoclave
Climate Chamber

BioSpectrix Pvt. Ltd

Plot-211, 3rd Floor, Okhla Industrial Area,
Phase-3, New Delhi -110020, India

www.biospectrix.co

sales@biospectrix.co