INNOVA

The passion for science

Imaging System

Chemiluminescence Imager

Multifunctional Imager

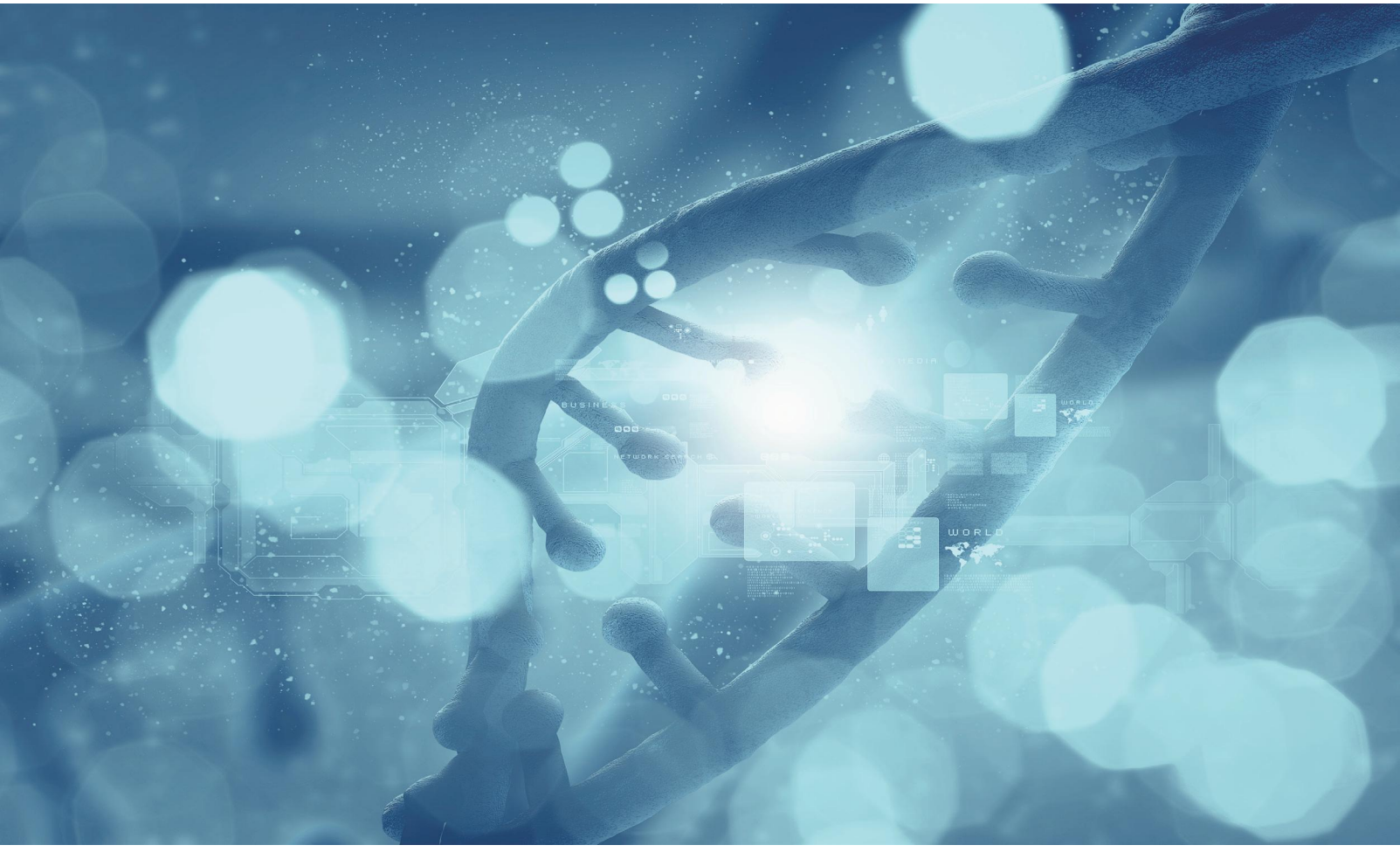
Gel Documentation

CERTIFIED ISO 9001:2015 COMPANY

CE

www.innovabiomed.com

About us



Innova Bio-Meditech is one of the professional solution provider of laboratory and medical devices. Firmly committed to our mission of “sharing innovative bio-meditech solutions with the world”, we are dedicated to innovation in the fields of Biology Project, Life Science, Pharmacy Industry and Medical Treatment.

Innova Bio-Meditech possesses a sound distribution and service network with business partners in North and Latin America, Europe, Africa and Asia-Pacific etc. We have built up a well established R&D, manufacture network with 3 centers in Qingdao, Shanghai and Suzhou. Inspired by the needs of our customers, we adopt advanced technologies and transform them into accessible innovation. This means constant effort and research, in order to more fully understand the developments of the market, INNOVA produce constantly upgraded product ranges by adding new products year after year.

The passion for science

CONTENTS

Imaging system

2026 NEW

PREMIUM SERIES

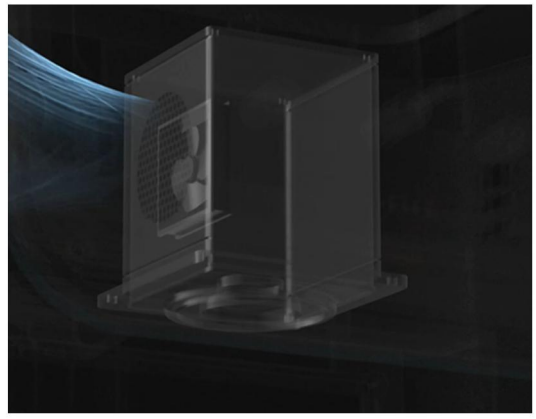
Chemi Imager

Gel Doc System

///Features

- Sensitive Cooled Digital Camera
- Combination door design with internal drawer structure enables quick sample access and removal, featuring one-handed operation.

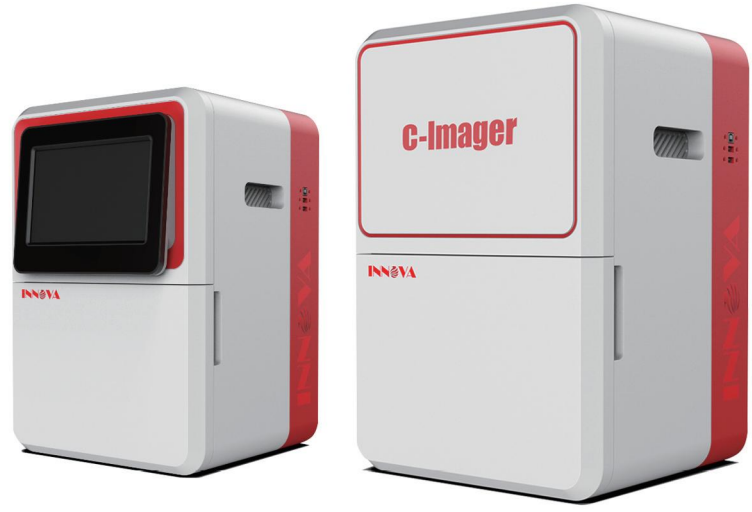
Door design with internal drawer



Sensitive Cooled Digital Camera

PREMIUM NEW

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 Imaging Application
- High sensitive cooled digital camera
- Unlimited software users

///Parameters

Model		C-Imager 900(P)	C-Imager 600(P)
Cooled digital Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.0 Megapixels	6 Megapixels
	Pixel Size	3.76x3.76m	4.54 x 4.54 μm
	Temperature	-60°C below ambient,-30°C regulated (absolute)	
	Dynamic Range	4.8OD	> 4.6 OD
	Pixel density	16bit（65536 Grey scales）	
Lens	Fixed Lens	F0.95 fast lens	
	Viewing Area	10x10cm	15x13cm
Industrial Computer		Industrial computer, 10.1 Inch Touch Screen, Intel processor, 128GB Solid State Drive Note: C-Imager 910/600 P + with a computer, C-Imager 910/600 without computer	
Fluorescent	Optional	EPI-RGB light source	
Software	Capture	Capture Software	
	Analysis	Analysis Software	

PREMIUM NEW

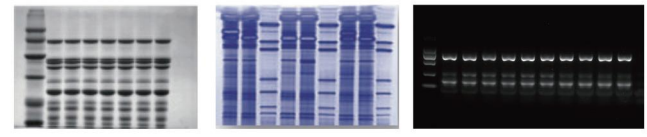
Gel Doc System

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 and protein gels
- Unlimited software users



Standard parameters

Model		G-Imager 630(P)
Camera	Type	Scientific CMOS Camera
	Resolution	6.3 Megapixels, 3072x2048
	Pixel density	16bit (65536 grey scales)
	Quantum efficiency	97%
	Sensitivity	Lower than 5pg EB stained DNA
Lens	Motorized	F1.2 motorized lens
Sample tray	Gel documentation	UV LED Transmission, Wavelength 302mnm (or 365nm) › Transmission area: 22.5cm*15cm Optional Blue LED transmission, transmission area:22.5cm*15cm
	Protein Gels	White LED transmission, transmission area:22.5cm*15cm
Industrial Computer	Industrial computer, 10.1 Inch Touch Screen, Intel processor, 128GB Solid State Drive Note: G-Imager 630 P + with a computer, G-Imager 630 without computer	
Software	Capture	Capture Software
	Analysis	Analysis Software

PREMIUM NEW

Multifunctional Imager

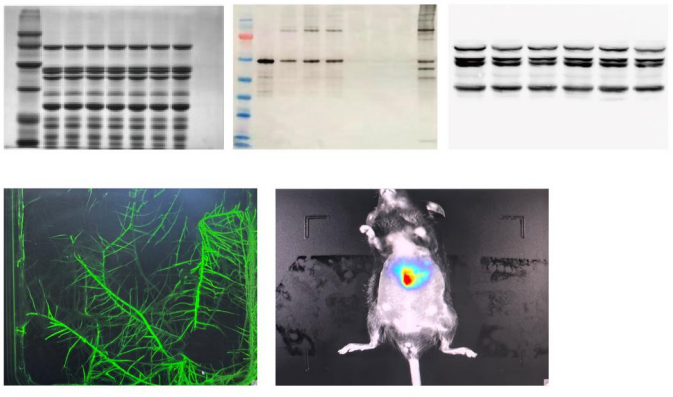
Introduction

Sensitive camera helps to get the accurate results quickly. High integration of the system provides multiple modes for different applications. Electronic lifting platfrom and accurate auto focus function provide the available view area for diverse sizes of the samples.

Applications: Chemi imaging, Gel doc, Protein gels, Fluorescence applications.

Features

- High sensitive cooled digital camera
- Removable industrial computer is optional
- Electronic lifting platfrom and accurate auto focus function
- Multiple modes for diverse applications
- Unlimited software users



Standard parameters

Model		M-Imager 900(P)	M-Imager 600(P)
Cooled digital Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.0 Megapixels	6 Megapixels;
	Pixel Size	3.76x3.76m	4.54 x 4.54 μm
	Temperature	-60°C below ambient,-30°C regulated (absolute)	
	Dynamic Range	4.8OD	> 4.6 OD
	Pixel density	16bit（65536 Grey scales）	
Lens	Fixed Lens	F0.95 fast lens	
	Viewing Area	10x10cm	15x13cm
Industrial Computer	Industrial computer, 10.1 Inch Touch Screen, Intel processor, 128GB Solid State Drive Note: M-Imager 910/600 P with a computer, M-Imager 910/600 without computer		
Sample tray	Chemi Imaging	Electronic lifting platfrom and sample drawer	
	Gel Documentation	Electronic lifting platfrom and sample drawer, UV LED transilluminator： Peak Wavelength 302nm, transmission Area: 22.5x15cm	
	Protein Gels	Electronic lifting platfrom and sample drawer, White LED plate：Transmission Area: 22.5x15cm	
Filter wheel	Standard five position filter wheel, Standard 590/65nm filter for gel doc application White LED plate：Transmission Area: 22.5x15cm		
Software	Capture	Capture Software	
	Analysis	Analysis Software	

Optional accessories

Fluorescent Module	Light source	Optional EPI-RGB light source for fluorescence application
	Filters	Optional filters for fluorescence application (Alexa 488, Alexa 546, Alexa 647, Cy2, Cy3 and Cy5 as usual specification
	Filter wheel	OptionalEight position filter wheel

Elite Chemi Imager

Introduction

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

/// Features

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

Parameters

Model		CI-Elite 910	CI-Elite 600
Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76 x 3.76um	4.54 x 4.54um
	Pixel density	16bit (65536 Grey scales)	
	Dynamic Range	4.8OD	
	Temperature	-30 degree regulated	
Lens	Electronic Lens	F0.95 as standard, (F0.8 is optional), Accurate auto focus	
	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

Standard parameters

Model		CI 910	CI 600
Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76 x 3.76um	4.54 x 4.54um
	Pixel density	16bit (65536 Grey scales)	
	Dynamic Range	4.8OD	
	Temperature	-30 degree regulated	
Lens	Electronic Lens	F0.95 as standard, (F0.8 is optional), Accurate auto focus	
	Focus	Auto focus	
Sample tray		4 layers chemiluminescence sample tray	
Software	Capture	Capture Software	
	Analysis	Analysis Software	

Optional accessories

Fluorescent Module	Light source	365nm、470nm、530nm、630nm、660nm、770nm etc.
	Filters	Auto focus
	Filter wheel	Optional eight position filter wheel

Multifunctional Imager (Classical)

Features

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

Parameters (Standard and Optional)

Model		MI 910	MI 600
Cooled digital Camera	Type	Cooled Back-illuminated CMOS	Cooled CCD
	Resolution	9.1 Megapixels	6 Megapixels
	Pixel Size	3.76 × 3.76 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 standard, (F0.8 is optional), Accurate auto focus	
Sample	Chemi Imaging	4 layers manual sample tray	
	Gel Documentation	UV transilluminator （Area 21x26cm fixed），Blue transmission as optional	
	Protein Gels	White LED transmission （Area 21x26 fixed）	
	Optional florescent Module	Epi-UV, RGB and NIR fluorescent module as optional	
Filter wheel	5 position	Standard 5 position filter wheel，（8 position optional）	
Software	Capture	Capture Software	
	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	GI 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	

Gel Doc System

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 (Standard and Optional)

Model		GI-500P(+)
Camera	Resolution	5 Megapixels，2592*1944
	Pixel density	16bit(65536 Grey scales)
	Quantum efficiency	75%
	Readout noise	5.1e- RMS
	SNR	70.1db
Lens	Motorized	3.1F1.2 motorized lens
	Gel documentation	DNA/RNA UV transmission：Peak wavelength 302nm，Area:21cm*26cm
	Protein Gels	White LED plate：Area: 19cm*26cm
Software	Capture	Capture and Analysis Software

Optional accessories	
industrial computer	10.1 Inch Touch Screen,Intel processor,128GB Solid State Drive Note:GI-500P+ with a computer,GI-500P without computer
Blue LED plate	peak wavelength：Peak 470nm，Area: 19 cm*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 acquisition of nucleic acid, protein electrophoresis gel imagesand chemiluminescence images, GLP function, recording image generation time, shooting parameters and other information.

-Binning modes such as1X1, 2X2, 3X3, 4X4 increase sensitivity of the system, so as to capture the weak bands.

-Automatic acjustment of grayscale, without manual adjustment of display parameters,can automatically present efective signals in the image perfectly.

-Real time temperature display of the cooled CCD camera, so as to ensure the sampie imape acauisition under optimal condition of the camera.

-Multi frame function provides four accumulation modes time accumulation, grayscale accumulation, grayscales series and timeseries).

-Overlay the Marker and Sample after acquisition, avoid manual stacking.

-Multiple pseudo colors display bright bands in diferent colors, and make t easy to view the strength and weakness of the sample.

-Database management of sample images allows to view information on sample images captured at any time in the dast.

-Automatic exposure function, the automatic exposure alporithm designed with a large numer of sample pictures as samples, to calculate theaccurate exposure time.accurate exposure time.

Analysis

-Runs without the software encryption devices, unlimited software users.

-Autommatic molecular weight calculation, band concentration caculation, relative content percentage calculation and density calculation.

-Support various image processing functions such as rotation, cropping, and so on.

-Convenient image navigation and browse, adjust the window width and level, and achieve the best image display effect

-Optical density calculations on designated areas, suitable for protein quantitative analysis.

-Remove background mode to obtain optimized accurate results of analysis.

-The analysis results can be output to an Excel file based on the selection range.

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