

# Imaging System



Chemiluminescence Imager

Multifunctional Imager

Gel Documentation

# 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*

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# 2023 NEW PREMIUM SERIES



Mini Chemi Imager



Gel Doc System

## Features

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



Electronic lifting platform and accurate auto focus



Removable industrial computer

**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		CIPad-Mini 910 (+)	CIPad-Mini 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	Fixed Lens	F0.95 as standard (optional F0.8)	
Industrial Computer		Removable industrial computer, 10.1 Inch Touch Screen, Intel processor, 128GB Solid State Drive Note: CIPad-Mini 910+/600+ with a computer, CIPad-Mini 910/ 600 without computer	
Fluorescent Module	Optional	Epi-UV, RGB and NIR available	
Software	Capture	Capture Software	
	Analysis	Analysis Analysis Software	

**PREMIUM NEW**

# Gel Doc System

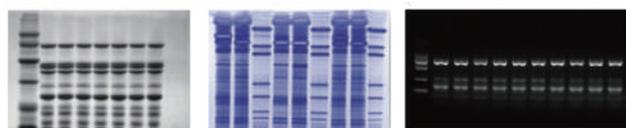
## Introduction

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
- Optional Fluorescent application
- Unlimited software users



## Standard parameters

Model		GIPad-Mini 630 (+)
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	DNA//RNA sample tray: 17x13cm , Blue LED Transmission
	Protein Gels	White LED transmission: 17x13cm
Software	SHST	Capture and Analysis Software

## Optional accessories

Fluorescent Module	Light source	365nm~470nm~530nm~630nm~660nm~770nm etc.
	Filters	365nm~470nm~530nm~630nm~660nm~770nm etc.
	Filter wheel	Optional eight position filter wheel
Industrial computer	Removable	10.1 Inch Touch Screen, Intel processor, 128GB Solid State Drive Note:GIPad-Mini 630+ with a computer, GIPad-Mini 630 without computer

# 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 × 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 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	

# 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.
- Multilingual interface, real-time image acquisition function, used for acquisition of nucleic acid, protein electrophoresis gel images and chemiluminescence images, GLP function, recording image generation time, shooting parameters and other information.
- Binning modes such as 1X1, 2X2, 3X3, 4X4 increase sensitivity of the system, so as to capture the weak bands.
- Automatic adjustment of grayscale, without manual adjustment of display parameters, can automatically present effective signals in the image perfectly.
- Real time temperature display of the cooled CCD camera, so as to ensure the sample image acquisition under optimal condition of the camera.
- Multi frame function provides four accumulation modes (time accumulation, grayscale accumulation, grayscale series and timeseries).
- Overlay the Marker and Sample after acquisition, avoid manual stacking.
- Multiple pseudo colors display bright bands in different colors, and make it 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 past.
- Automatic exposure function, the automatic exposure algorithm designed with a large number of sample pictures as samples, to calculate the accurate exposure time.

## /// Analysis



- Runs without the software encryption devices, unlimited software users.
- Automatic molecular weight calculation, band concentration calculation, 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.

# Overview





## Professional Solution Provider of Laboratory/Pharma Equipment

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

Biofermentation Solution  
Shaking Incubator/Shaker  
Cold Storage Solution

Glassware Washer  
Autoclave  
Climate Chamber



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