Infitek

GEL IMAGING SYSTEM

Infitek Infitek Infitek Infitek Infitek

Infitek

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Gel Imaging System

GEP-GD100 **GEP-GD1000**



GEP-GD100



GEP-GD1000

GD100:
The body is made of all stainless steel, which is stable and reliable.

GD1000:
The body is made of ABS engineering plastics, which is safe and beautiful.

The white light self luminous plate is used to make the spontaneous white light more uniform, presenting a perfect SDS-PAGE imaging effect

Description

- The Gel Imaging System can be used to do nucleic acid test for various fluorescent dyes, such as EB, SYBR Gold,SYBR Green, SYBR Safe, Gel Red Gel Green Texas, Red Fluoresce in marked DNA/RNA.

- Pixel: 2592*1944(5.03MP)
- Bit Depth: 16bit（0-65535）
- Exposure Time：1ms-3000ms
- High-resolution CCD camera

Features

Easy to use & Humanized design

- It is a highly integrated and fully automated gel imaging system. The system interface is simple and practical, the main interface has shooting button and time control to guide the user. It is very easy to operate,no need to have manual tedious debug.

High resolution CCD camera

- High resolution CCD camera, high sensitivity, high resolution, with automatic focus and high performance 6 times lens, specialized filter for nucleic acid dye.

Specialized overlay glue cutting filter

- Specialized overlay glue cutting filter，compared with the traditional one，it has many advantages，easy to operate，can prevent UV and blue light damage，no need to operate in dark room，work very well under strong light condition. The white light sample plate is used for SDS-PAGE glue samples shooting.

Specifications

Model	GEP-GD100	GEP-GD1000
Pixel	2592*1944(5.03MP)	
Exposure Time	1ms-3000ms	
QE Value	High QE: ＞69%	
Binning	1*1	
Bit Depth	16bit（0-65535）	
OD	≥4.8OD	
Electric lens	20 million pixel auto-focus lens	
Trans-UV	302nm,optional blue light transmissive configuration	
Epi-White	LED Reflection (Cold Light)	
Trans white	LED White light Self-Emitting Sample Plate	
Epi-UV	254nm+365nm	/
Filters	590nm standard (others optional)	
UV area	21*21cm	
Timing off	1~60mins	
Dimensions	360*375*605mm	380*405*695mm
Package Dimension (W*D*H) (mm)	480*495*725	500*525*825
Net Weight	30.5kg	35.5kg

Gel Imaging System

GEP-GD600 **GEP-GD600MF**



Features

- Fully automatic control of the lens and light source.
- Precise automatic exposure in calculate, no need to repeat calculation the exposure time.
- One button shooting, marker and chemiluminescence image automatic stacking.
- Cryogenic scientific research ultra-sensitive CCD camera , wide aperture lens.

Description

- It is highly integrated cryogenic scientific research ultrasensitive CCD camera and wide aperture lens. It has high sensitivity and is very easy to operate.

Product performance

- Chemiluminescence imaging compared with X-ray Film , exposure time 30s , Chemiluminescence imaging' s linear range is better then X-ray film and it has ultrahigh sensitivity, you can capture the weak signal.



ECL



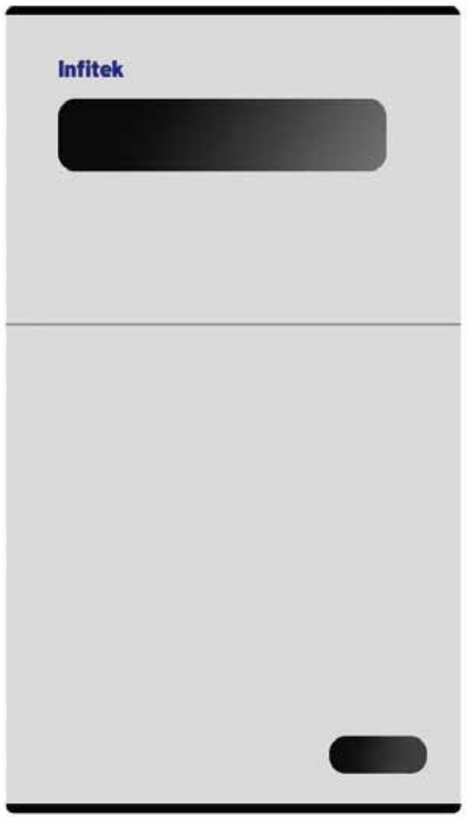
X-Ray Film

Specification

Model	GEP-GD600	GEP-GD600MF
Pixel	9.0MP	
Multi-color Fluorescent Function	No	Yes
Cooling Temperature	-65°C	
Photosensitive Efficiency	High QE: 95%	
Pixel Size	3.76μm×3.76μm	
Binning	1×1 2×2 4×4··· 8×8	
Exposure	1ms-60min	
Bit	16 bit (0-65535)	
OD	≥4.8OD	
Electric Lens	F0.95 autofocus lens, optional F0.8 autofocus lens	
UV Transmission	302nm, Area:21*21cm	302nm+365nm, Area:21*21cm
White Light Source	Double layer LED reflection on top and bottom, LED white light self luminous sample board	
UV Reflection	/	254nm, optional 302nm, 365nm
Filter Wheel	2-position filter wheel standard (others optional)	5-position filter wheel standard (others optional)
Filter Lens	590nm standard (others optional)	Standard 535nm, 590nm, 605nm, 699nm，Optional 720nm, 820nm
Imaging Area	20*20cm	
Timed Shutdown	1 ~ 60min	
Dimension	380*405*695mm	
N.W./G.W.	35.8kg/38.5kg	37kg/40kg
Package Dimension (W*D*H)(mm)	500*525*825mm	

Gel Imaging System

GEP-GD900



Features

- Fully automatic control of the lens and light source.
- Precise automatic exposure in calculate, no need to repeat calculation the exposure time.
- One button shooting, marker and chemiluminescence image automatic stacking.
- Cryogenic scientific research ultra-sensitive CCD camera ,wide aperture lens.

Description

- It has highly integrated cryogenic scientific research ultrasensitive CCD camera and wide aperture lens. It has high sensitivity and is very easy to operate.

Product performance

- Chemiluminescence imaging compared with X-ray Film , exposure time is 30s , Chemiluminescence imaging' s linear range is better then X-ray film and it has ultrahigh sensitivity.



ECL



X-Ray Film

Specification

Model	GEP-GD900
Pixel	12.0MP
Cooling Temperature	-65°C
QE	High QE: >95%
Pixel Size	4.63μm×4.63μm
Binning	1×1 2×2 4×4··· 8×8
Exposure	1ms-60min
Bit	16 bit (0-65535)
OD	≥4.8OD
Electric Lens	F0.95 autofocus lens, optional F0.8 autofocus lens
UV Transmission	302nm, Area:21*21cm
White light source	Double layer LED reflection on top and bottom, LED white light self luminous sample board
Filter Wheel	2-position filter wheel standard (others optional)
Filter Lens	590nm standard (others optional)
Imaging Area	28*21cm
Timed Shutdown	1~ 60min
Dimension	380*405*695mm
N.W./G.W.	35.8kg/38.5kg
Shipping Dimension	500*525*825mm

Fully Automatic Multifunctional Gel Imaging System

GEP-GD900MF

CE



Key Features

One-time forming and seamless design of integrated shell prevents light leakage.

The ultra-sensitive CCD camera and large aperture lens of cryogenic scientific research level have extremely high photo sensitivity.

Fully automatic control, shooting can be selected without manual setting of hardware parameters.

One-click gel cutting function, you can see and recycle gel without opening the software.

The lens focuses automatically without manual focusing.

Compatible with samples of different thickness.

One-click shooting, sample and marker are automatically superimposed. Automatic false color and tri-color automatic merging.

Accurate automatic exposure, including image management and image viewer, with image merging and false color function.

Description

- It is equipped with scientific research grade cryogenic camera, large aperture lens, RGB fluorescent light source ultraviolet white light source, optional temperature control platform and anesthesia system.

Specification

Model	GEP-GD900MF
Pixel	12MP
QE	High QE: >95%
Pixel Size	4.63μm×4.63μm
Binning	1×1, 2×2, 3×3, 4×4…8×8
Exposure	1ms-60min
Cooling Temperature	-65℃
Bit	16 bit (0-65535)
OD	≥4.8OD
Electric Lens	F0.95 autofocus lens, optional F0.8 autofocus lens
RGB illumination	Standard LED 470nm, 520nm, 650nm (others optional)
UV Transmission	UV 302+365nm, Area:21*21cm
White Light Source	Double layer LED reflection on top and bottom, LED white light self luminous sample board
UV Reflection	254nm , optional 302nm , 365nm
Filter Wheel	5-position filter wheel standard (others optional)
Filter Lens	Standard 535nm, 590nm, 605nm, 699nm， Optional 720nm, 820nm
Imaging Area	28*21cm
Timed Shutdown	1 ~ 60min
Temperature Control Platform	Optional
Anesthesia System	Optional
Dimension	380*405*695mm
N.W./G.W.	37kg/40kg
Shipping Dimension	500*525*825mm

Gel Imaging System

GEP-GD2000

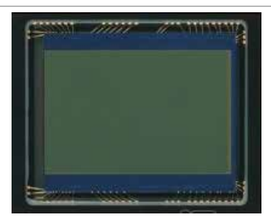


Key Features



Easy to use & Humanized design

It is a highly integrated and fully automated gel imaging system. The system interface is simple and practical, the main interface has shooting button and time control to guide the user. It is very easy to operate,no need to have manual tedious debug.



High resolution camera

It has scientific research camera with low noise, high sensitivity, and high pixels, paired with a high-definition autofocus lens, and a specialized filter for nucleic acid dyes to present perfect imaging for you.



Specialized overlay glue cutting filter

Specialized overlay glue cutting filter，compared with the traditional one，it has many advantages, easy to operate,can prevent UV and blue light damage，no need to operate in dark room, work very well under strong light condition. The white light sample plate is used for SDS-PAGE glue samples shooting.

Description

- The Gel Imaging System can be used to do nucleic acid test for various fluorescent dyes, such as EB, SYBR Gold,SYBR Green, SYBR Safe, Gel Red Gel Green Texas, Red Fluoresce in marked DNA/RNA.

Specification

Model	GEP-GD2000
Pixel	3000*4000(12MP)
Exposure Time	1ms-60min
QE Value	High QE:＞82%
Binning	1*1, 2*2, 4*4
Bit Depth	16bit（0-65535）
OD	≥4.8OD
Electric lens	20 million pixel auto-focus lens
Trans-UV	302nm, optional blue light transmissive configuration
Epi-White	LED Refection (Cold Light)
Trans-White	LED White light Self-Emitting Sample Plate
Filters	590nm standard (others optional)
UV Area	21*21cm
Timing off	1~60mins
External Dimension	380*405*695mm
N.Q./G.W.	32.5kg/35.5kg
Shipping Dimension	510*530*840mm

Gel Imaging System

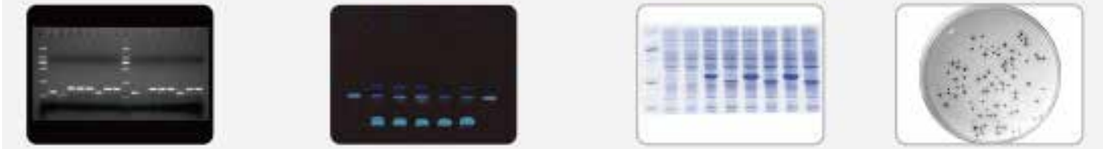
GEP-GDX3T



- Pixel: 6.3 million pixels
- Exposure: 1 ms-5000ms
- Photosensitive Efficiency: High QE: >80%
- Pixel Merge:1x1

Application

- Gel imaging for nucleic acids or proteins



Specification

Model	GEP-GDX3T
Pixel	6.3 million pixels
Exposure	1 ms-5000ms
Photosensitive Efficiency	High QE: >80%
Pixel Merge	1x1
Electric Lens	20 milion pixel auto-focus lens
Dynamic Range	≥4.8 orders of magnitude
Image Density	16 bit (0-65535 colors)
Ultraviolet Transmission	302nm, optional blue light transillumination
White Light Reflection	LED dual-side reflection (cold light)
White Light Transmission	LED white light self-emitting sample plate
Filter Lens	590nm standard (others optional)
Shooting Area	21x21cm
Timed Close	1~60min
Touch Control System	13.3-inch touch control system
Dimension	360*362*566mm
N.W./G.W.	19.5kg/22.3kg
Shipping Dimension	450*462*666mm

Features

- Highly integrated and fully automatic, simple interface, main interface oriented display shooting button and time control, easy to operate, no manual tedious debugging.
- New module design, with fast focusing high-resolution CCD camera.
- Less noise, high sensitivity, large resolution.
- High-throughput 20-megapixel high-definition autofocus lens and multi-layer coated dedicated filters.



Camera lens

Using the latest darkfield camera module with an ultra-large aperture and 20-megapixelresolution.



Touch control system

13.3-inch touch control high-definition display screen, one-touch imaging, intelligent processing system.



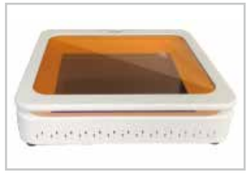
Professional filters

Adopting multi-layer coated filter lensesto rejectstray scattered light passing through.



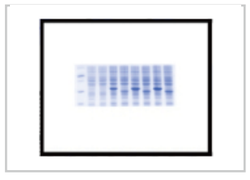
UV sample stage

Using shadowless UV glass, there is no lamp tube background fluorescence, making the background cleaner.



Blue light sample stage

Optional blue light sample stage available, suitablefor fluorescent dye photography.



White light sample plate

Uniformly converted fluorescent samples on the sample board do not need to worry about the service life of use.

Integrated Gel Imaging System

GEP-GDX5T



Key Features

Highly integrated and fully automatic, simple interface, main interface oriented display shooting button and time control, easy to operate, no manual tedious debugging.

New module design, with fast focusing high-resolution CCD camera.

Less noise, high sensitivity, large resolution.

High-throughput 20-megapixel high-definition autofocus lens and multi-layer coated dedicated filters.



Camera lens

Using the latest darkfield camera module with an ultra-large aperture and 20-megapixelresolution.



Touch control system

13.3-inch touch control high-definition display screen, one-touch imaging, intelligent processing system.



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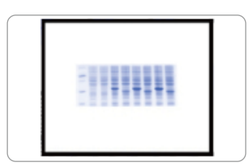
Blue light sample stage

Optional blue light sample stage available, suitablefor fluorescent dye photography.

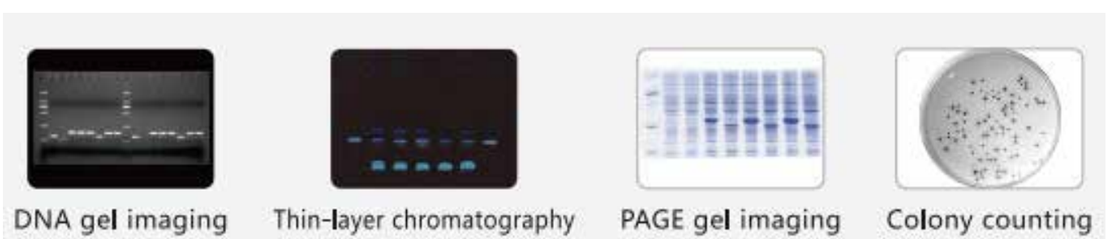


White light sample plate

Uniformly converted fluorescent samples on the sample board do not need to worry about the service life of use.

Application

- Gel imaging for nucleic acids or proteins



Specification

Model	GEP-GDX5T
Pixel	12 million pixels
Exposure	1ms-60min
Photosensitive Efficiency	High QE: >82%
Pixel Merge	1x1, 2x2, 4x4
Electric Lens	20 milion pixel auto-focus lens
Dynamic Range	≥4.8 orders of magnitude
Image Density	16 bit (0-65535 colors)
Ultraviolet Transmission	302nm, optional blue light transillumination
White Light Reflection	LED dual-side reflection (cold light)
White Light Transmission	LED white light self-emitting sample plate
Filter Lens	590nm standard (others optional)
Shooting Area	21x21cm
Timed Close	1~60min
Touch Control System	13.3-inch touch control system
Dimension	360*362*566mm
N.W./G.W.	19.5kg/26.3kg
Shipping Dimension	480*490*690mm

Gel Imaging System

GEP-GDX6T



Features

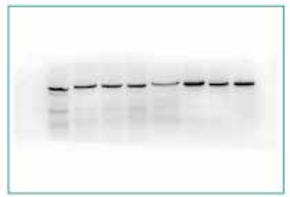
- The integrated chassis is formed at one time and has a seamless design to prevent light leakage.
- It adopts a cryogenic scientific research-grade ultra-sensitive back-illuminated camera and a large aperture lens.
- The lens has auto focus function, no need to focus manually. Compatible with samples of different thicknesses.
- Electric sample stage, hardware and software linkage, one-touch automatic sampling, automatic shooting, intelligent imaging.
- Automatically shoot samples and markers are automatically superimposed.
- Millisecond-level accurate automatic exposure, no need to repeatedly estimate the exposure time.

Description

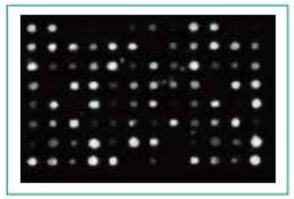
- The integrated chemiluminescence imager is equipped with a scientific research-grade cryogenic super-sensitivity back-illuminated CCD camera, a large aperture lens, and a built-in touch computer mainly used for chemiluminescence and biochip imaging;
- Its product shooting software has modular functions, guided operation, simple operation, automatic hardware processing, and functions such as image management, viewing, and enhancement.

Application

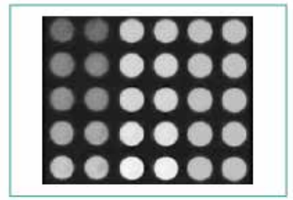
- Luminescence detection: Western Blot, ECL, ECLplus imprinted membrane, self-luminescent microplate, biochip and other self-luminescent samples.



Chemiluminescent imaging



Biochip imaging



Well plate imaging

Specification

Model	GEP-GDX6T
Pixel	9 million pixels
Cooling Temperature	-65 C
Photosensitive Efficiency	High QE: >95%
Pixel Size	3.75μm×3.75μm
Binning	1×1 2×2 4×4··· 24×24
Exposure	1ms-120min
Image Density	16 bit (0-65535 colors)
Dynamic Range	≥4.8 orders of magnitude
Electric Lens	F0.95 auto-focus lens, optional F0.8 lens available
White Light Reflection	LED dual-sided reflection (cold light)
Shooting Area	16x14cm
Timed Close	1~60min
Touch Control System	Built-in 13.3-inch high-performance touch control system
Dimension	360*362*566mm
N.W./G.W.	17.8kg/20.3kg
Shipping Dimension	450*462*666mm