Infitek

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Infitek

GEL IMAGING SYSTEM

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-PAG 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-resolutionCCDcamera

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: ＞65%	
Binning	1*1	
Bit Depth	16bit（0-65535）	
OD	≥4.8OD	
Lens	Motorized 8-48mm，F1.2	
Trans-UV	302nm	302/254/365 can be chosen from three options
Epi-White	LED	
Trans white	UV to white sample plate	
Epi-UV	254nm,302nm,365nm (Two options maximum)	302nm
Filters(Optional)	400~800nm	
UV area	210*210mm	
Timing off	1~60mins	
Dimensions	360*375*605mm	380*405*695mm
Package Dimension (W*D*H) (mm)	/	510*530*870
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

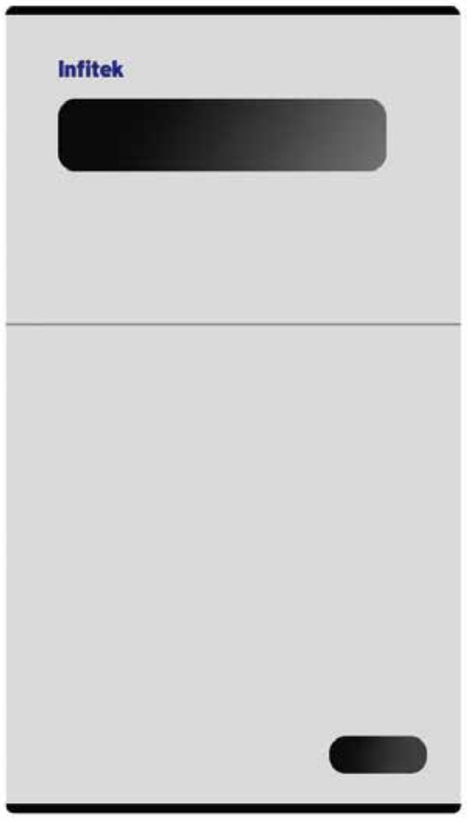
X-Ray Film

Specification

Model	GEP-GD600	GEP-GD600MF
Pixel	9.0MP	
Multi-color Fluorescent Function	No	Yes
Cooling Temperature	-65°C	
Photosensitive Efficiency	High QE: >75%	
Pixel Size	4.54μm×4.54μm	
Binning	1×1 2×2 4×4··· 8×8	
Exposure	1ms-120min	
Bit	16 bit (0-65535)	
OD	≥4.8OD	
Lens	F = 0.95, 25mm, optionaF= 0.8, 25mm	
UV transmission	302nm, Area:21*21cm	
Lighting	LED	
UV reBection	No	
Filter Wheel	Standard 5， Optional 2 position filter wheel	
Filter	Standard 590nm and Red, Green, and Blue color filters, Other options	
Imaging Area	20*20cm	
APP Timer Shut Down	1 ~ 60min	
Dimension	380*405*695mm	
N.W./G.W.(kg)	35.8kg/38.5kg	39kg/40kg
Package Dimension (W*D*H)(mm)	530*520*830mm	

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-120min
Bit	16 bit (0-65535)
OD	≥4.8OD
Lens	F = 0.95, 25mm, optional F= 0.8, 25mm
UV Transmission	302nm, Area:21*21cm
Lighting	LED
UV Reflection	No
Filter Wheel	Optional 2,5 position filter Wheel
Filter	Optional 590nm, Other options
Imaging Area	20*20cm
APP Timer Shut Down	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

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
Lens	F = 0.95, Auto focus, Optional F=0.80
RGB	Standard:473nm, 532nm, 650nm,optional
Laser	Optional: 473nm, 532nm, 650nm, etc. 21x21 cm
UV Transmission	UV 302+365nm, Area:21*21cm
White Light	Double-layer white light reflection
UV Reflection	254nm , optional 302nm , 365nm
Filter Wheel	5 standard and 7 optional
Filter	Standard : 590nm , 535nm , 605nm , 695nm , etc.
Shooting Area	Max. Size:25*26cm
APP Timer Shut Down	1 ~ 60min
Temperature Control Platform	Optional
Anesthesia System	Optional
Dimension	380*405*695mm
N.W./G.W.	37kg/40kg
Shipping Dimension	500*525*825mm

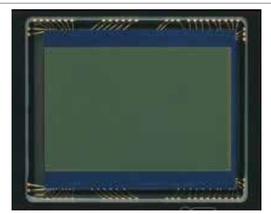
Gel Imaging System

GEP-GD2000

Key Features

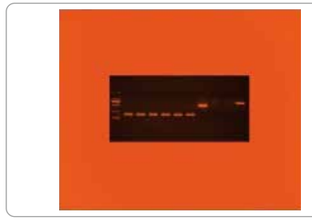
Easy to use & Humanized design

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:＞75%
Binning	1*1, 2*2, 4*4
Bit Depth	16bit（0-65535）
OD	≥4.8OD
Lens	F=1.4, 20 million auto focus lens
Trans-UV	302nm
Epi-White	LED
Trans-White	UV to white sample plate
Epi-UV	254nm, 302nm, 365nm for option
Filters	590nm, Others for option
UV Area	210*210mm
Timing off	1~60mins
External Dimension	380*405*695mm
N.Q./ G.W.(kg)	32.5kg/35.5kg
Package Dimension (W*D*H) (mm)	510*530*840mm

Gel Imaging System

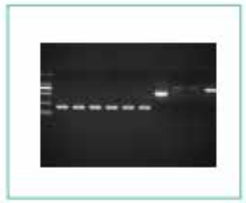
GEP-GDX3T

CE

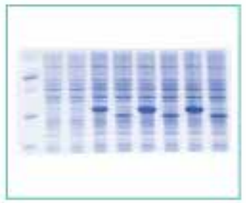
- Pixel: 6 million pixels
- Exposure: 1 ms-5000ms
- Photosensitive Efficiency: High QE: >79%
- Pixel Merge:1x1

Application

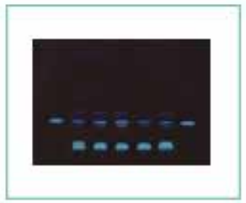
- Gel imaging for nucleic acids or proteins



DNA gel imaging



Page gel imaging



Thin layer chromatography

Colony coun

Specification

Model	GEP-GDX3T
Pixel	6 million pixels
Exposure	1 ms-5000ms
Photosensitive Efficiency	High QE: >79%
Pixel Merge	1x1
Electric Lens	F=1:1.4 20 million auto focus lens
Dynamic Range	≥4.8 orders of magnitude
Image Density	16 bit (0-65535 colors)
Ultraviolet Transmission	302nm, optional transmission blue light
White Light Reflection	LED reflection (cold light)
White Light Transmission	White light conversion sample plate
Filter Lens	590nm standard configuration, others optional
Shooting Area	Shooting area: 21x21cm
Timed Close	1~60 minutes
Touch System	12.5-inch touch
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.
- F1.4 high-throughput 20 million high-definition auto focusing lens, and multi-layer coating special filter.

Camera lens

Adopt dark field camera module, F1.4 Super aperture 20 million Solutions Analyticity.

Touch system

12.5-inch touch HD display. One touch imaging, intelligent processing system.

Special filter

Multi-layer coated filter is adopted.

Passing of absolute stray light.

UV sample table

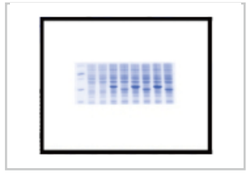
Shadowless ultraviolet glass .

Tube background fluorescence.

Blue light sample table

Optional blue light sample table;

Applicable fluorescent dye.



White light sample plate.

White light conversion sample plate.

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.

F1.4 high-throughput 20 million high-definition auto focusing lens, and multi-layer coating special filter.

Camera lens

Adopt dark field camera module, F1.4 Super aperture 20 million Solutions Analyticity.

Touch system

12.5-inch touch HD display. One touch imaging, intelligent processing system.

Special filter

Multi-layer coated filter is adopted.

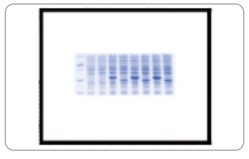
Passing of absolute stray light.

Camera lens

Adopt dark field camera module, FI .0 Super aperture 20 million Solutions Analyticity.

Touch system

12.5-inch touch HD display. One touch imaging, intelligent processing system.



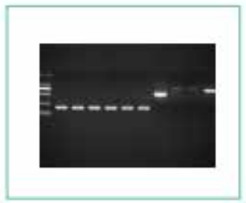
Special filter

Multi-layer coated filter is adopted.

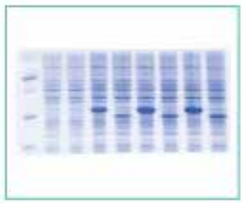
Passing of absolute stray light.

Application

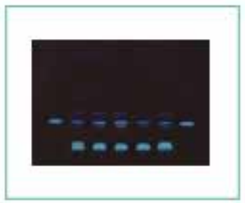
- Gel imaging for nucleic acids or proteins



DNA gel imaging



Page gel imaging



Thin layer chromatography

Colony coun

Specification

Model	GEP-GDX5T
Pixel	12 million pixels
Exposure	1ms-60min
Photosensitive Efficiency	High QE: >79%
Pixel Merge	1x1, 2x2, 4x4
Electric Lens	F=1:1.4, 20 million auto focus lens
Dynamic Range	≥4.8 orders of magnitude
Image Density	16 bit (0-65535 colors)
Ultraviolet Transmission	302nm, optional transmission blue light
White Light Reflection	LED reflection (cold light)
White Light Transmission	White light conversion sample plate
Filter Lens	590nm standard configuration, others optional
Shooting Area	Shooting area: 21x21cm
Timed Close	1~60 minutes
Display	12.5-inch touch HD display
Dimension	360*362*566mm
N.W./G.W.	19.5kg/26.3kg
Shipping Dimension	480*490*690mm

Gel Imaging System

GEP-GDX6T

Features

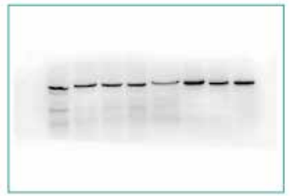
- The integrated chassis is formed at one time and has a seamless design to prevent light leakage.
- It adopts a cryogenic scientific research-grade ultra-sensitive back-illuminated camera and a large aperture lens.
- The lens has auto focus function, no need to focus manually. Compatible with samples 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

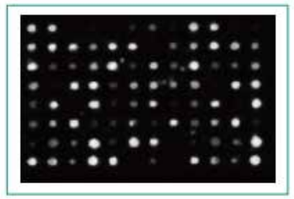
- The integrated chemiluminescence imager is equipped with a scientific research-grade cryogenic super-sensitivity back-illuminated CCD camera, a large aperture lens, and a built-in touch computer mainly used for chemiluminescence and biochip imaging;
- Its product shooting software has modular functions,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

Application

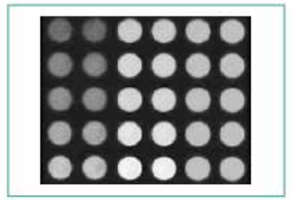
- Luminescence detection: Western Blot, ECL, ECLplus imprinted membrane, self-luminescent microplate, biochip and other self-luminescent samples.



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	3.74μm×3.74μm
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	F=0.95 Auto focus lens optional F0.8
White Light Reflection	LED reflection (cold light)
Shooting Area	Max.shooting area: 16x14cm
Timed Close	1~60 minutes
Touch System	Built-in 12.5-inch high-performance touch computer
Dimension	360*362*566mm
N.W./G.W.	17.8kg/20.3kg
Shipping Dimension	450*462*666mm