

Gel Document Imaging System

AND

UV-Transilluminator LB-1 GDI Series



Gel Document Imaging system LB-10GDI

Gel Document Imaging system LB-10GDI is a gel imaging unit with CCD resolution 1.4 megapixels. High quality zoom lens for enlarging and shrinkage of gel photos. Incorporates gel filters for filtering background noise eliminating artifacts. Features control panel for adjusting zoom, focus, aperture, UV light and white light. Light safety switch shut down UV light when door is opened and reactivates when door is closed.

Features

- ▶ Effective pixels- 1280 x 1024
 - ▶ CCD with lower lux and high resolution ensures whole screen display
 - ▶ Six times zoom lens to enlarge and shrink gel photos
 - ▶ Multilayer gel filters for filtering background noise
 - ▶ Timer light switch shuts lights within 15 minutes delay
 - ▶ Indicator ensures gel to be placed in center position
 - ▶ Drawer style gel platform for easy to operate and observe gel
-

Gel Document Imaging system LB-11GDI

Gel Document Imaging system LB-11GDI is a gel imaging unit with CCD resolution 5.0 megapixels. High quality zoom lens for enlarging and shrinkage of gel photos. Incorporates gel filters for filtering background noise eliminating artifacts. Features control panel for adjusting zoom, focus, aperture, UV light and white light. Light safety switch shut down UV light when door is opened and reactivates when door is closed

Features

- ▶ Effective pixels- 2560 x 1920
- ▶ CCD with lower lux and high resolution ensures whole screen display
- ▶ Six times zoom lens to enlarge and shrink gel photos
- ▶ Multilayer gel filters for filtering background noise
- ▶ Timer light switch shuts lights within 15 minutes delay
- ▶ Indicator ensures gel to be placed in center position
- ▶ Drawer style gel platform for easy to operate and observe gel

Application

Used in molecular biology labs, clinical and research labs, for immunoassay, gel and blot imaging, protein detection, 2-D electrophoresis, detection and documentation of DNA/RNA dyes, etc.

Specification

Model	LB-10GDI	LB-11GDI
Resolution	1.4 megapixels	5.0 megapixels
Effective pixels	1280 x 1024	2560 x 1920
Pixel density	10 bit	10 bit
Pixel size	5.4 x 5.4 μ m	5.4 x 5.4 μ m
Signal to Noise resolution	≥ 56 dB	≥ 56 dB
Sensitivity	Can detect the double chain DNA of EB staining below 20 pg	Can detect the double chain DNA of EB staining below 20 pg
Camera	Low illumination and high resolution digital CCD	Low illumination and high resolution digital CCD
Zoom lens	F= 1:1.2,2/3 inch 6 times zoom lens	F= 1:1.2,2/3 inch 6 times zoom lens
Filter	590 nm	590 nm
UV light Transmission area (W x L)	250 x 200 mm	250 x 200 mm
Visible Light transmittance Area (W x L)	250 x 210 mm	250 x 210 mm
Transmission UV wavelength	302 nm	302 nm
Reflectance UV wavelength	254 nm, 365 nm	254 nm, 365 nm
Transmission UV lamp power	8 W	8 W
Reflectance UV lamp power	11 W	11 W
External Dimensions (L x W x H)	470 x 405 x 820 mm	470 x 405 x 820 mm
Dimensions (L x W x H)	770 x 700 x 1430 mm	770 x 700 x 1430 mm
Gross weight	71 kgs	71 kgs

UV Transilluminator LB-1UVT

UV Transilluminator LB-1UVT is an illumination unit with reflectance UV lamp power 11 W. Features uniform light with high quality filter glass ensures efficiency. It can be used in all weather conditions eliminating the need for dark room.

Features

- ▶ Operating port for gel cutting
- ▶ No requirement of dark room
- ▶ Uniform light, long life service

Applications

Used in molecular biology, chemistry, immunology, food industry, pharmaceutical company, biotechnology to observe, cut and photograph electrophoresis gel, protein analysis, etc.

Specifications

Model No	LB-10UVT
Reflectance UV lamp power	254 nm (11 W), 365 nm (11 W)
Transmission size (W x L)	200 x 150 mm
Transmission UV wavelength	302 nm
Reflectance UV wavelength	254 nm, 365 nm
Transmission UV lamp power	302 nm(8W)
Power supply	AC 110 V $\pm 10\%$, 50 Hz
	AC 220 V $\pm 10\%$, 60 Hz
External size (W x D x H)	435 x 295 x 490 mm
Package size (W x D x H)	700 x 640 x 810 mm
Net weight	17 kgs
Gross weight	45 kgs