



Transilluminators & Imaging Systems



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Iris Gel Documentation System accommodates a different range of samples and maintains different detection modes. We provide the right features for customer needs by providing excellent gel documentation systems.

We deliver an ideal system for laboratories that provide smart imaging performance by only one click to take the supreme images. User can image their choice of dyes and stains by choosing UV, blue or white lighting, UV+BLUE+White transmission, and RGB reflection options.

The system software selects the right lighting and filters for the user, making it easy to image fluorescent ethidium bromide or SYBR safe DNA gels and protein gels stained with coomassie blue or silver dye.

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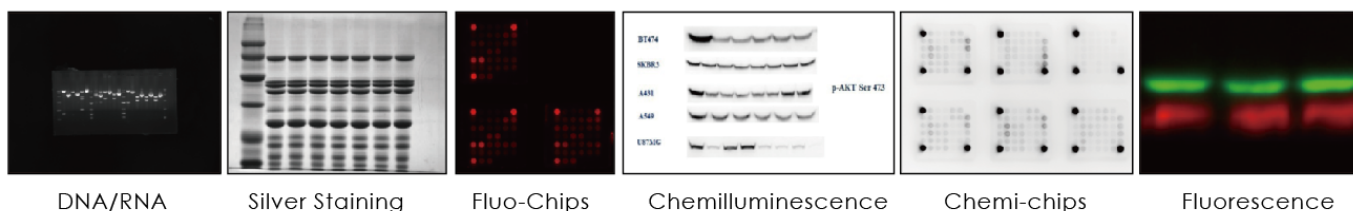
Gel Documentation System IGS-2000 Series

Gel Documentation System IGS-2000 Series covers chemiluminescence and multiplexing fluorescence applications. Ideal for reproducible and comparable quantification data. Add a UV transmission, UV+BLUE light transmission, UV+BLUE+White light transmission, and UV+BLUE+White transmission and RGB reflection. The scientific CCD camera is controllable from PC, operation mode convertor, multi fluorescence mode, ultra-slim transilluminator for blue light and white light transmission, and UV transilluminator contain a non-lamp design for uniform transmission. Applicable for blotting membrane such as western lightning, ECL, ECL plus, CDP star, super signal, CSPD, LumiGlo, Cy2, Cy3, Cy5, FITC, Alexa dyes, daylight dyes, ProQDiamond, ProQEmerald 300, ProQEmerald 488, IR Dye 680, etc.; protein inspection and Gel Inspection. The system is built for high performance and automation and features a next-generation, and compatible with 8 Sockets filter wheel. Build-in software for image enhancement, editing, and image analysis. Detect far weaker signal and offer higher sensitivity and wider linear range, human-computer interactive program.



- The system is supplied complete 6.05 MP, 2750×2200 16 bit (65536 grayscale), CCD camera
- F0.8 motorized ultrafast lens and 8 sockets filter wheel
- Excitation Light include UV Light Ex365, Blue Light Ex470, Green Light Ex530, Red Light Ex630, Near-infrared Ex660, Near-infrared Ex770
- Unique filters facilities: m460/30F, Em460/31F, Em460/32F, Em460/33F, Em460/34F, Em460/35F
- Design with the front panel through reaction injection moulding
- Switchable operation mode
- UV SMART trans illuminator
- Manufactured with blue and white light trans-illuminator
- Design with 3 sample tray such as super-slim white LED, super slim blue LED(470 nm) and UV Smart UV trans-illuminator(302 nm)
- Greater sensitivity and compatible with 8 Sockets filter wheel
- Used for DNA/RNA, silver staining, fluo-chips, Chemilluminescence, chemo-chips, fluorescence

Application



DNA/RNA

Silver Staining

Fluo-Chips

Chemilluminescence

Chemi-chips

Fluorescence

Model	IGS-2010	IGS-2020	IGS-2030
Lens	F0.8 motorized ultrafast	F0.95 motorized ultrafast	F0.8 motorized ultrafast
Type	-	Embedded industry computer with touch screen	
Sensor	12.49×9.99 mm CCD sensor		
Camera	CCD camera		
Resolution	6.05 MP, 2750×2200		
Efficiency	75%		
Pixel Size	4.54×4.54 μm		
Pixel Density	16 bit(65536 gray scale)		
Filter Wheel	8 sockets filter wheel		
Cooling Temperature	-25℃		
Excitation Light	UV Light Ex365, Blue Light Ex470, Green Light Ex530, Red Light Ex630, Near infrared Ex660, Near infrared Ex770		
Filters	Em460/30F, Em460/31F, Em460/32F, Em460/33F, Em460/34F, Em460/35F		
Internal Dimension	430×380×690 mm		
External Dimension	550×490×760 mm		
Weight	33 kg		
Catalogue No.	3403005-04	3403010-04	3403015-04

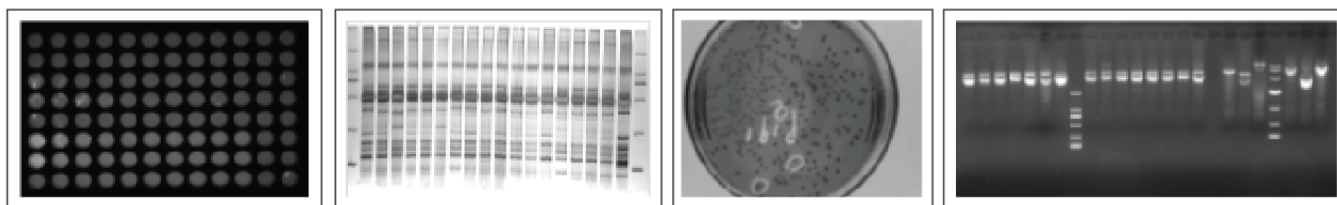
Gel Documentation System IGS-1000 Series

Gel Documentation System IGS-1000 Series add a UV transmission; UV+BLUE light transmission, and UV+BLUE+White light transmission plate for detection of nucleic acid and protein fluorescence and provide low background light. Scientific CCD camera controllable from PC, operation mode convertor, multi fluorescence mode, ultra-slim transilluminator for blue light and white light transmission, and UV transilluminator contain a non-lamp design for uniform transmission. Applicable for protein inspection such as commassie brilliant blue, silver staining, fluorescent dyes, and many more, ELISA plate, petri dish colony counter, TLC plate, etc. and gel inspection such as diverse dyes, marked DNA/RNA detection, etc. Aimed to detect and documentation of DNA/RNA and proteins. The system is built for high performance and automation and features a next-generation, high quantum efficiency scientific digital camera, and F1.2 motorized lens for even greater sensitivity and compatible with 8 Sockets filter wheel. Build-in software for image enhancement, editing, and image analysis. Detect far weaker signal and offer higher sensitivity and wider linear range, human-computer interactive program.



- The system is supplied complete 5.0 MP, 2592×1994 and 5.2 MP, 2560×2048, scientific digital camera
- F1.2 motorized lens and 8 sockets filter wheel
- Excitation Light include UV Light Ex365, Blue Light Ex470, Green Light Ex530, Red Light Ex630, Near-infrared Ex660, Near-infrared Ex770
- Offer special features like operation mode converter
- Eco-friendly unit
- Unique filters facilities: m460/30F, Em460/31F, Em460/32F, Em460/33F, Em460/34F, Em460/35F
- The front panel and door is designed by reaction injection molding
- Switchable operation mode
- Design with 3 sample tray such as super-slim white LED, super slim blue LED(470 nm) and UV Smart UV transilluminator(302 nm)
- Greater sensitivity and compatibility

Application



Model	IGS-1200	IGS-1400	IGS-12600T	IGS-1800T
Lens	F1.2 motorized lens			
Type	-		Embedded industry computer with touch screen	
Camera	Scientific Digital Camera			
Resolution	5.0 MP, 2592×1994	5.2 MP, 2560×2048	5.0 MP, 2592×1994	5.2 MP, 2560×2048
Efficiency	70%	78%	70%	78%
Pixel Density	16 bit(65536 gray scale)			
Filter Wheel	8 sockets filter wheel			
Readout Noise	5.1e-RMS	3.2eRMS	5.1e-RMS	3.2eRMS
SNR	70.1db	72.8db	70.1db	72.8db
Cooling Temperature	25℃			
Excitation Light	UV Light Ex365, Blue Light Ex470, Green Light Ex530, Red Light Ex630, Near infrared Ex660, Near infrared Ex770			
Filters	Em460/30F, Em460/31F, Em460/32F, Em460/33F, Em460/34F, Em460/35F			
Internal Dimension	430×380×690 mm			
External Dimension	550×490×760 mm			
Weight	33 kg			
Catalogue No.	3402505-04	3402510-04	3402515-04	3402520-04

Gel Documentation System IGS-3000 Series

Gel Documentation System IGS-3000 Series dual-wavelength light source: UV light with 302 nm light source, provide better sensitivity and Blue LED with 470 nm light source, provide better downstream data. For moderate excitation of fluorescent DNA bands in gel without damaging DNA by UV radiation and ensuring the safe image. This can also be used as a separate transilluminator with the gel sited directly on the illuminator. Offer great intensity blue LED illuminator allows visualization of a wide range of DNA stains. Easily access and document gels with being damage.



- Build with switchable UV and blue light filters
- Easy handling with compact structure, provide a smaller working area
- Convenient Wi-Fi, easy to download and print the image
- The open system provides high compatibility to other transilluminators
- Dual-wavelength light source: UV light with 302 nm light source, provide better sensitivity and Blue LED with 470 nm light source, provide better downstream data
- Ensure that the safe imager
- Place the gel onto the surface
- Easily access and document gels with being damage

Model	IGS-3010	IGS-3020
Lens		F1.8 : 5x lens, F8.0
Wavelength	-	302 nm(UV Light), 470 nm(LED light)
Camera		Canon EOS M-series type
Resolution		24.7 Mega pixels
Display		LCD
Filters		Amber filter/ UV cut filter
Interface		USB, Wi-Fi
Dimension	275 x 238 x 250 mm	250x203x364 mm
Weight	2 kg	8 kg
Electrical Requirement	-	DC 12V
Catalogue No.	3403505-04	3403510-04

