



Transilluminators & Imaging Systems



cs@irisanalytical.com



+1 706 760 4500

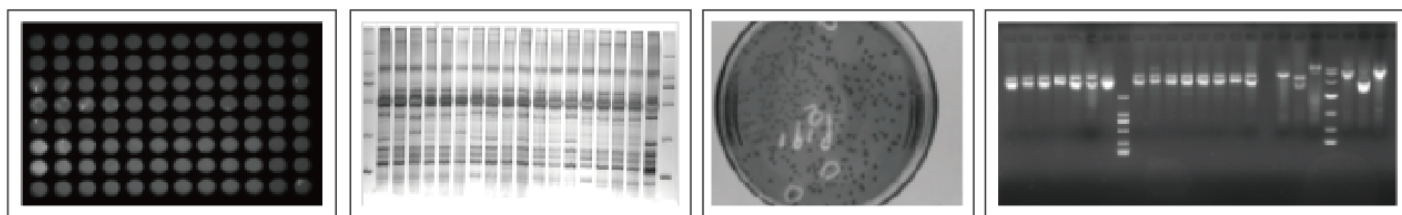


www.irisanalytical.com

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	770%	782%	770%	782%
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

