

Gel Documentation and Analysis System

- SASTEC gel document and analysis systems integrate image capture, analysis and print. High resolution, unrivalled definition and exclusive quality CCD camera ensures the sensitivity for low limits of fluorescence without losing bands.
- Powerful image analysis software can help researchers get clear gel photo and detailed analysis result rapidly and accurately.
- Can be used to detect DNA/ RNA/ protein gel, blotting membranes (including Western, Southern, Northern, Slot, dot blotting), autoradiography film, ELISA plate, thin layer chromatography plate, chemiluminescence/ fluorescence develop, etc.

Structure:

- Ingenious optics configuration, computer controlled, sealed darkroom and touching control panel make using GenoSens a pleasure.
- **High resolution Camera:**
High performance and resolution digital CCD camera and CMOS camera are selected.
- **Zoom lens with high light transmission efficiency:**
Owns an outstanding large-aperture camera lens for optimum light transmission.
- **Exquisite sensitivity and precision:**
Extremely weak signal can be recognized and close bands can be distinguished from each other.
Lowest limits of detection can be 5pg of ethidium bromide stained DNA.
- **Low noise:**
Latest CCD technology and advanced noise reduction algorithms ensure the high performance image with high signal-to-noise ratio.
- **Illumination:**
Including UV and White trans-illumination, UV and White epi-illumination.
- **Maximum sample field of view:**
Approximately 210mm x 260mm
- **Professional software for image analysis:**
Friendly interface and powerful function.
Easy to use - just few clicks are necessary to obtain sophisticated results.
- **High-speed data interface:**
Single USB2.0 interface to complete command transfer and image capture.



Specification of Gel Documentation & Analysis System

Model	ST-GD1500	ST-GD1510
Dark Room	Simple, hermetic, microprocessor control	
Camera	Digital CCD camera, 1.4 million pixels, 12bit	
Resolution	1360 x 1024	
Operation Panel	Full function control panel	No control panel
Lens	6x manual zoom lens, 8-48mm	
Filter	Standard F590 filter with layers coating (Consult us for specific requirement)	
UV Transilluminator	Transmitted area: 21cm x 26cm; wave length: 302nm (254nm, 365nm selectable)	
Trans White	Uniform white transillumination plate (optional)	
Epi-UV	Double-UV epi-illumination source (optional)	
Epi-White	Double LED reflection	
Software	Image acquisition, enhancement and analysis	
Operating system compatibility	Windows XP, 2000, 98	
Interface	Single USB2.0	