

# Electrophoresis System

## Imaging System

Whether your applications are in proteomics, genomics, or anything in between, We has a system for imaging and analyzing your gels, films, and blots. Our imaging systems are versatile and sensitive, covering your needs in chemiluminescent, chemifluorescent, colorimetric, and fluorescent detection, as well as spot excision. You can choose an instrument with some or all of these capabilities to fit your budget or anticipated future needs.

GIS 1D Software is designed as a sophisticated software package for 1D analysis of gels, plates and membranes as well as colony counting.

*We produces a wide range of high performance Imaging Systems depended on researchers' specifications and budgets.*

System Model	Camera	Features	Detection Method		
			Colorimetric	Fluorescent	Chemiluminescent
Tanon -1600	T 800, 8-bit	Computer contro	√	√	×
Tanon-2500(R)	T 1010, 8-bit	Computer contro	√	√	×
Tanon-3500(R)	T 2020, 10-bit	Computer contro	√	√	×

### Applications:

Depending on the camera used, the system may be used the following applications:

- Non-Fluorescent & Colorimetric Gels: Coomassie Blue, Silver stain, Autorad film, colony plates
- Fluorescent Gels: EB, SYPRO Red, Texas Red, SYPRO Ruby, CY3, REP, SYPRO Orange, Rhodamine, SYBR Green, EGFP, Fluorescein, Pico Green, Gel Star, SYBR Gold
- Western Blots, Northern Blots and Southern Blots: ECL, ECL Plus, CDP Star, Pierce Super Signal, Pierce Westdura(Non-isotopic substrates only), Chemiluminescence blots(no fluorescence)

### Key Features:

The Tanon Imaging system offers software control of darkroom and camera settings through the system's computer. Systems easily perform the routine imaging and analysis of a large variety of stained DNA and protein gels, blots as well as colony counting. Methods for all applications can be stored and recalled for immediate use. Specially developed image capture routines, such as dynamic and sequential integration, guarantee perfect exposures.

- Darkroom is completely light-tight for chemiluminescent imaging
- Pre-set or user-defined PC controls
- UV automatically turns off when the door is open
- Darkroom viewer pops open for sample viewing without opening door
- Software interface for automatic control of the lens' aperture, zoom and focus
- Select UV or white light overhead or transillumination

	Tanon-3500
CCD resolution	1280× 1024(H × V)
Pixel density	10-bit
Pixel size	5.2× 5.2μ m(H × V)
Dynamic range	3 orders of magnitude
Camera cooling temperature	-
Motorized zoom lens	F=1/1.4(2/3 inch), 11.5~69mm, Qmount
Illumination modes	Trans-UV Reflect white light
Excitation source	302nm
White Light Conversion Screen	20× 25cm
Filters	1to4
Transillumination area	21× 26cm
Software compatibility	Windows 2000 OR Windows XP

