Gel Doc Pro Gel Documentation Imager

Product Highlights

- **High resolution and high sensitivity cooled CCD camera:** 16-bit high sensitivity digital camera, detecting very low-abundance DNA/RNA.
- **One click to get the optimum gel image:** Automatically capture images and identify the sample type when the sample tray is docked.
- **Stand-alone system, small footprint:** Built-in 10.1-inch touchscreen, no external computer needed.
- **Multi-touch screen:** Double-tap the touch screen to capture the image, swipe up and down to adjust the contrast.

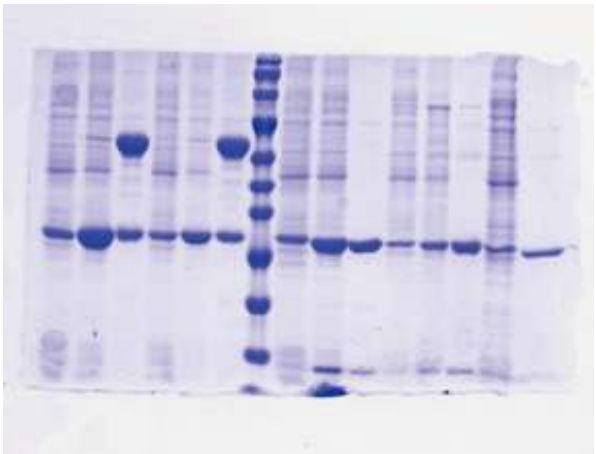
Product Introduction

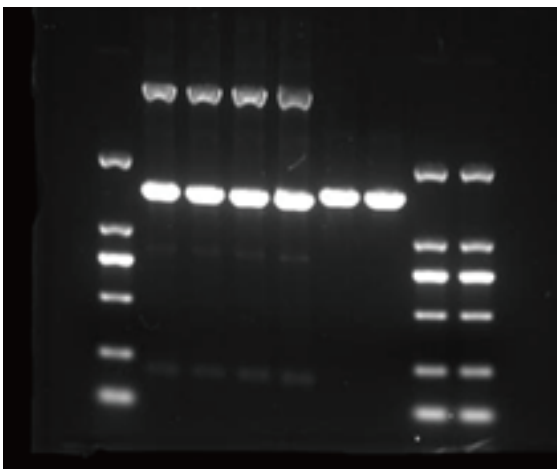
Gel Doc Pro gel documentation imager features intelligent operation for an unrivaled ease of use. Just one click, it offers the best sensitivity and speed, and reaches the lowest limits of detection for your DNA, RNA and protein applications. Its elegant design and small footprint allow it to fit into any laboratory environment, no external computer needed.

Product Application

Used for nucleic acid gel imaging and analysis of safe and low toxic dye labeling, gel cutting and recycling; Cold-stained/silver-stained protein gel imaging and analysis.

Photographing Sample Images





Gel Doc Pro Image capture and analysis software

Image Capture

- Auto-exposure function, Just one click, the optimum gel image is captured and automatically saved.
- Shooting mode: automatic shooting, manual shooting, and multi frame shooting.
- Exposure mode: Ultra-high resolution or ultra-high sensitivity.
- Swipe up and down the touchscreen to adjust the contrast.

Image Analysis

- **Automatically identifies lanes and bands. Lanes can be added, deleted and adjusted as needed to achieve accurate lane separation.**
- **The integral value of optical density and peak pattern of each band are calculated automatically, which is convenient to calculate the molecular weight of each band.**
- **Calculate the optical density of the designated area, which is suitable for protein quantitative analysis.**
- **Automatically subtract the background to get accurate and optimized image analysis data.**
- **The analysis results can be exported in Excel file.**

Specifications

Model	Gel Doc Pro
Shooting area	187mm*125mm
Camera	16-bit scientific grade digital camera
Lens	Fixed focus; f1.4
Pixel binning	3088*2064
Pixels	1*1, 2*2, 3*3 and 4*4 optional, corresponding to different resolution and sensivity requirements
Tablet computer	10.1-inch touch screen; max resolution: 1920*1200
Sample tray	Power-driven
Light source	302nm UV transmission | 470nm blue light transmission | white light transmission
Filter	590nm multilayer coated interference filter
Image acquisition software	Gel Doc Pro Image Capture Software, supports manual exposure, automatic exposure, and multi frame shooting functions.
Data interface	Two external USB ports
Power input	100-240VAC, 50-60Hz
Dimensions (mm)	286 X 355 X 321mm (WxDxH)
Net weight	13KG