



KLABS Gel Imaging System



Product Description

KLABS KGIS-90 Gel Imaging System is designed for clear visualization and documentation of electrophoresis gels. It combines UV illumination, high-resolution imaging and intelligent analysis software for fast and reliable gel documentation.

Features

- Dual UV & white light imaging
- High-sensitivity 10 MP camera
- Large gel imaging area
- Integrated touch computer
- One-click gel analysis software
- Automatic lane & band detection
- Manual editing & annotation tools
- Distortion correction & recalibration
- Advanced background subtraction
- Quantitative & molecular weight analysis

Application/Uses

- DNA/RNA band imaging
- Molecular biology research
- Life science laboratory use
- Electrophoresis result analysis
- Protein gel imaging
- Band quantification
- Research and teaching laboratories
- UV and white light gel visualization



KGIS-90

Technical Specifications

Specification	Details
Product Name	Gel Imaging System
Model Number	KGIS-90
Sensor Type	10.0 MP CMOS
Resolution	3648 × 2736 pixels
Pixel Size	2.4µm x 2.4µm
Pixel Density	16 bit
Exposure Time	0.1 ms – 60 s
Camera Sensitivity	≤10pg EtBr Stained DNA samples
Bit Depth & Grayscale Levels	16-bit Gray & 65536
Exposure Control	Automatic & Manual
Frame Rate	Upto 30 fps
Image Format	TIFF, JPEG, BMP, PNG
Image Processing	Contrast, Brightness, Invert, Saturation
Focal Length	8–12 mm Fixed Focus Lens
Emission Filter	UV Blocking / EtBr Filter Available
Field of View / Shooting Area	210 x 260 mm
Excitation Source	UV 302 nm / 365 nm
White Light Illuminator	Available
Display	20 inch touch screen
Interface	2 x USB, Wi-Fi
Gel Cutting	Available
Stain Imaging	EtBr, Sybr-Green, Sybr-Safe, Syr-gold, GFP, Gel-red, Gel-Green, FITC, DAP, Pro Q Emerland and sypro-ruby
Safety Feature	Auto UV Shut-off
Room Construction	Dark Room
Power Consumption	200 W
Dimensions (L × W × H)	55 x 50 x 71 cm
Weight	26 kgs

Standard Accessories

- Main gel imaging system
- UV illumination system
- White light illuminator
- Integrated touch computer
- Gel analysis software
- USB and Wi-Fi interface