



KLABS KGDS-590 Gel Documentation System

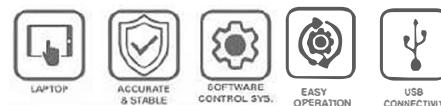


Product Description

The KLABS KGDS-590 Gel Documentation System is a high-performance imaging system designed for DNA, RNA, and protein gel analysis. It features a high-resolution scientific CCD camera, motorized F1.2 lens, automatic focusing, UV protection shield, and advanced imaging software, making it ideal for molecular biology, biotechnology, pharmaceutical, and research laboratories.

Features

- High-sensitivity Scientific CCD camera
- High-resolution image acquisition
- F1.2 high-transparency motorized lens
- Digital lens quantization function
- Automatic sample focusing
- UV protection shield to minimize cross contamination
- High-quality gel image capture
- User-friendly software interface
- USB connectivity
- Compact darkroom design



Application/Uses

- DNA gel documentation
- RNA gel documentation
- Protein gel analysis
- Agarose gel imaging
- Electrophoresis gel documentation
- Molecular biology laboratories
- Biotechnology laboratories
- Pharmaceutical laboratories
- Research & Development laboratories
- Academic & University laboratories

Parameter	Specification
Product Name	Gel Documentation System
Model Number	KGDS-590
Darkroom	No light leakage Darkroom External size: 44x40x72cm
CCD Camera	Scientific CCD Resolution: 20 Megapixels, 4800*4440 A/D: 16bit (65536 Grey scales) High QE: 75% Read noise: 3.1e- RMS SNR: 75.2 db Sensitivity: Lower than 5pg EB Stained DNA
Lens	Imported Computer 2/3 Inch, F1.2 Motorized Lens Numeric Focus and Aperture
Filter (Standard)	590nm for gel doc as standard
Epi-white light	White LED × 2
Transilluminator	UV transmission as standard: Wavelength 302nm, Area: 21x26cm White light LED as optional, Area: 21x19cm Blue LED as optional: Area: 21x19cm
Application	included as standard
DNA/RNA Gel Inspection	Ethidium Bromide, Sybr™ Gold, Gel Red, GelStar™
Protein Gel Inspection	Sypro™ Orange

Standard Accessories

- UV Protection Shield
- Gel Documentation Software
- Analysis Software
- Power Cable
- Instruction Manual