

Gel Documentation System



KETA GLX

Features

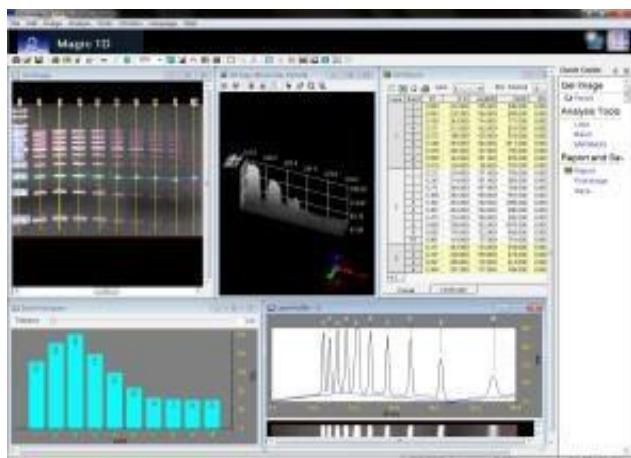
- Optional BW-20 Blue/White light transilluminator for Bio-safe application
- UV activation mode for stain free gel
- GCM function provide user get good shot anytime
- Energy save mode keep long life time of camera
- Wi-Fi transmission capability
- Comply file format PCX, TGA, DFN(GEL), PNG, IMG, TIFF, BMP, JPG, GIF, etc.

Applications

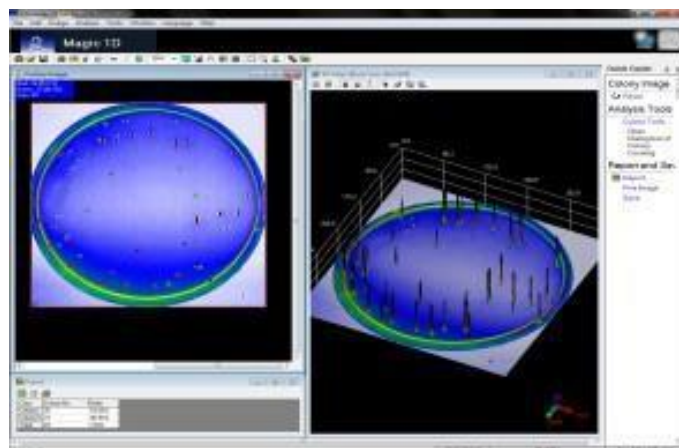
- Education, university, academic and research institute
- Agarose gel stain with EtBr, Safe Dye
- Protein gel stain with coomassie Brilliant blue, X Ray film
- Micro titer, ELISA plate
- 2D Gel, all color metric target
- Gray level analyze

Magic 1D software package Completed with four analysis functions

- MW and Mass Determination



- Colony Counting

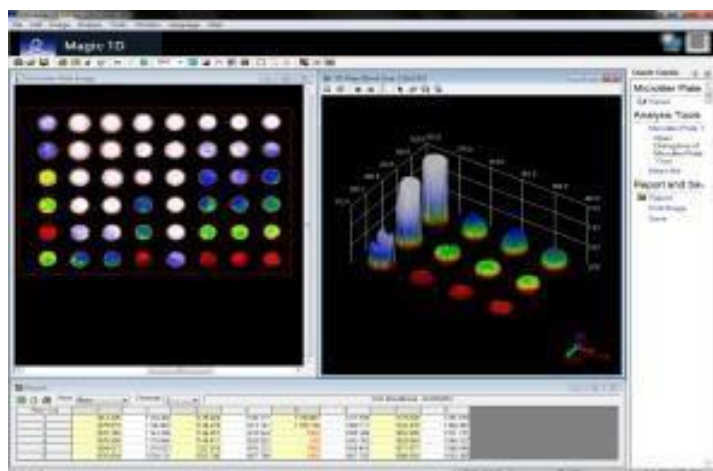


The KETA G series is an advanced research grade gel documentation system ideal for molecular biology laboratory. Comprise of high resolution 16bit B/W 5.0M pixels camera, motorized lens, five position filter wheel coupled with a high transparent amber filter, 2X close-up lens. Large visual area 25 X 25cm, dual high intensity U7 LED Epi white light source, low background 302nm UV transilluminator as standard, UV radiation safety interlock darkroom,. Inbuilt 24V power supply for BW-20 blue/white light transilluminator. Magic 1D software package as standard, energy save mode for UV transilluminator while operator do not touch any icon or button. UV radiation activation mode for stain free gel, default excitation/emission image capture method or professional adjustment are all included

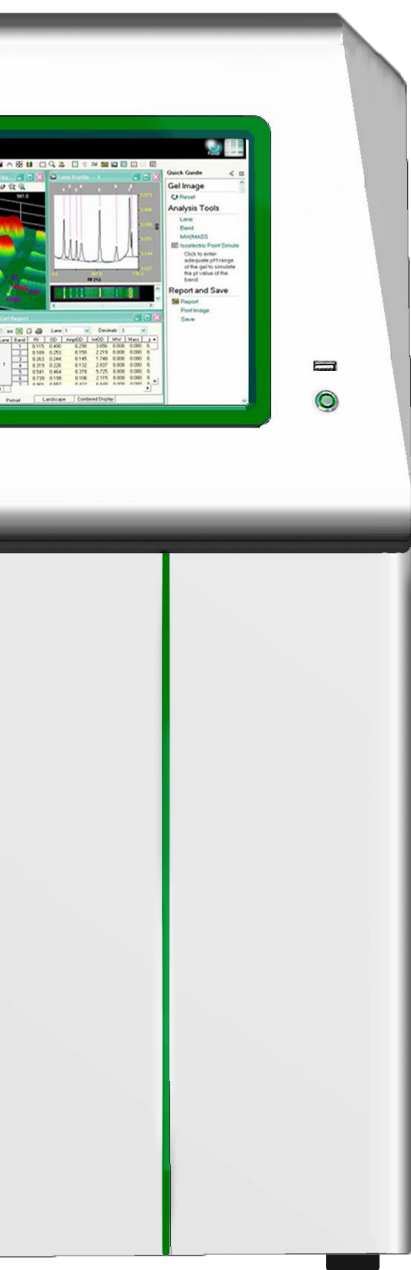
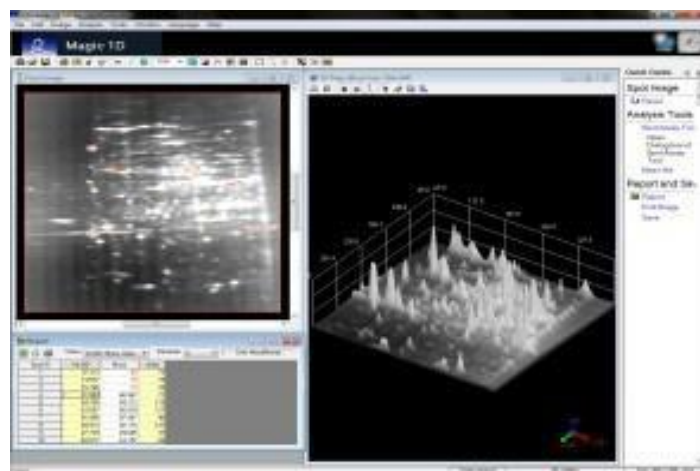
Fully computer controlled functions include Iris, focus, zoom, filter ID are all preset with optimum condition, professional adjust by operator can be save /recall or edit in user file, five position motorized filter wheel easy adapted optional WK filter.



-Microtiter Plate Imaging



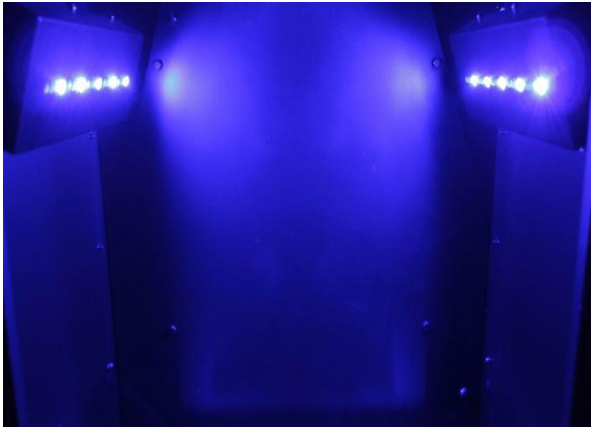
- Spot Density Calculation



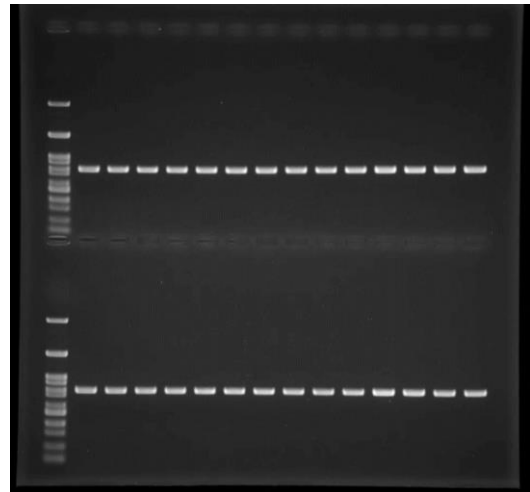
KETA GLX with inbuilt SBC, 12" touch panel LCD, exactly fully computer controlled standalone gel documentation in the market, Magic 1D software package as standard. KETA G family is the reliable and cost effective system, suitable for all protein gel and agarose gel, optional MC 100 RGB/white light and BW 20 transilluminator for wide variety stain application.

Magic 1D software is integrated with genius capture GCM function allow user to preset and store capture parameter, and recall by one click. With GCM function user can get perfect result automatically. Darkroom calibration, camera shading correction, distortion correction, flat frame correction, adjustable brightness / contrast, image profiling / blending, rotating, flipping, background defining, deconvolution / sharpen, interpolate, provides whole visual area imaging at the same level. In addition four analysis functions molecular weight and mass determination, colony counting, microtiter plate assay, and spot density calculation also included.

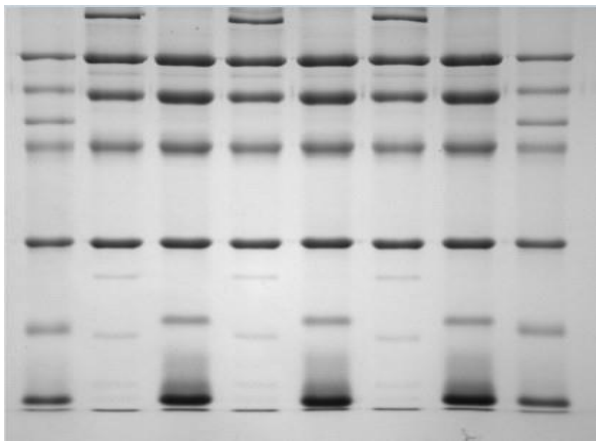
- MC 100 RGB/white Epi light optional



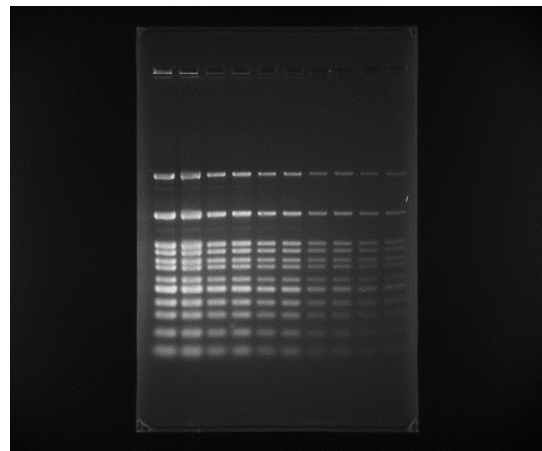
- EtBr Stained Agarose Gel /UV 302 nm



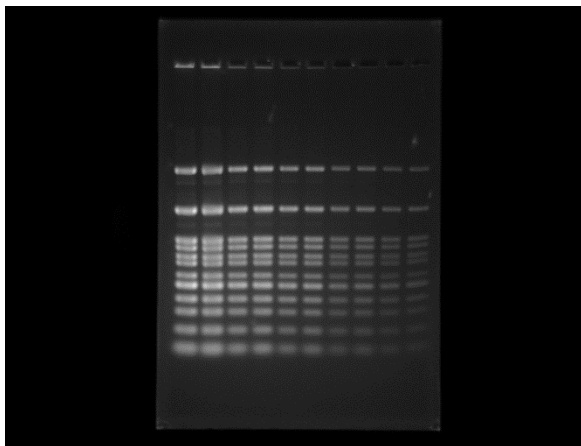
- CBB stained SDS-PAGE/BW-20



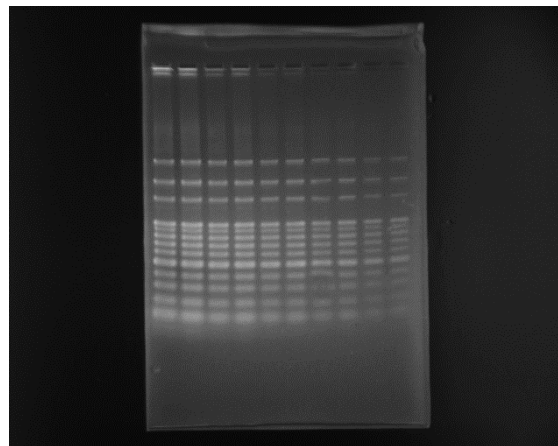
- SYBR Green I stained agarose gel/BW-20



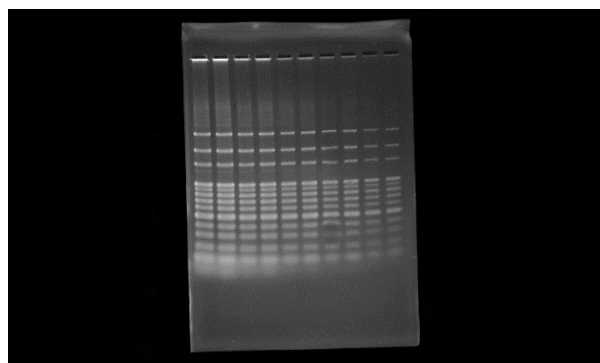
- SYBR Green I stained agarose gel/ UV 302 nm



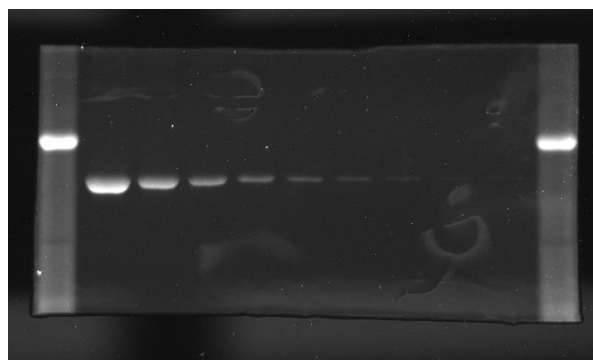
- SYBR Gold stained agarose gel/BW-20



- SYBR Gold stained agarose gel/MD 25K



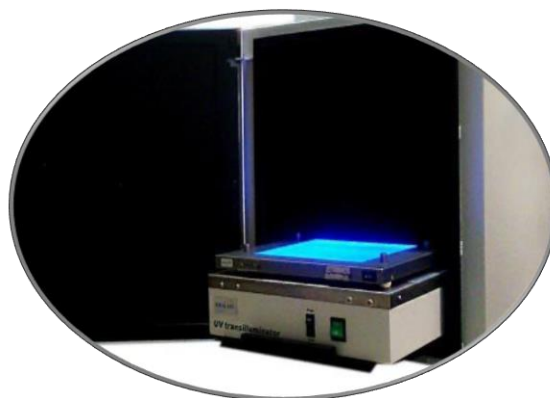
UV Activation capability/ Stain Free Gel



-FW 55 filter wheel



- Built-in 24V power source for BW-20



Emission filter selection guide

	Dye/stain
WK101	EtBr, SYBR Green I / II, SYBR Gold, SYPRO Red / Ruby / Orange
WK102	SYBR Green I / II, SYBR Gold, SYBR Safe, wtGFP
WK103	EtBr, SYBR Green I / II, SYBR Gold, SYPRO Red / Ruby / Orange, Fluorescein / FITC
WK104	SYBR Ruby, EtBr
WK105	SYBR Red, Radiant Red, Texas Red

For other filters, please contact local distributor or support@wealtec.com.

Specification

Model	KETA GLX
Camera depth	16bit
Operation temperature	0-60°C
Chip size	2/3"
Resolution	5.0M pixels
Control and Display	12" Touch Screen/SBC
Cooling	Air, R-T
Five position filter wheel	Standard
Filter size	55mm
Motorized Lens	11.5-69mm, f1.4

Epi-light source	Dual U7 LED
UV transilluminator	MD-25K
Magic 1D software	Yes
Wi-Fi transmission	Yes
OS system	MS Windows 10
Filter	WK 101
Physical dimensions	460 x 450 x 725mm (W x D x H)
Weight	42.2kg
Power	100 – 240V, 50 – 60Hz

The specification is subject to change without prior notice.

Ordering Information

Catalog No.	Description
1150008	KETA GLX gel documentation system complete with core 2 SBC, 12" touch panel LCD, 5.0 M pixels camera five position filter wheel, dual U7 Epi white light LED, MD-25K 302nm transilluminator, WK 101 emission filter & Magic 1D software package single user key, 100-240V, 50-60Hz.
1146001	UV/white light converter plate
1146002	UV radiation block cover for gel excision
1146021	BW-20 B&W light transilluminator, 20 x 20cm with power adaptor and blue light blocking cover, 100-240V, 50-60Hz
1155006	MC 100-1 GBW / 365nm UV LED light source in lieu of MC 100, factory install
1155007	MC 100 RGB / white light LED light source in lieu of U7 Epi LED, factory install
1151210	High transparent orange filter 55mm
8106041	HD-25K 365nm UV transilluminator, 100-240V, 50-60Hz 25 x 25cm filter size in lieu of standard MD-25K, factory install
8106042	MD-25KD 302/365nm UV transilluminator, 100-240V, 50-60Hz, 25 x 25cm filter size in lieu of MD-25K, factory install
1151201	WK 101 emission filter for EtBr, SYBR Green I/II, SYBR Gold, SYPRO Red/Ruby/Orange
1151202	WK 102 emission filter for SYBR Green I / II, SYBR Gold, SYBR Safe, wtGFP
1151203	WK 103 emission filter for EtBr, SYBR Green I / II, SYBR Gold, SYPRO Red / Ruby / Orange, Fluorescein / FITC
1151204	WK 104 emission filter for SYPRO Ruby, EtBr
1151205	WK 105 emission filter for SYPRO Red, Radiant Red, Texas Red
Accessories	
1146003	Digital thermal printer
1147007	Thermal paper 5 rolls/pack
1155031	Additional keyboard & mouse

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