

# Gel Documentation System



KETA G

This computer-controlled system is for routine gel documentation, consists of a superior 12 bit B/W CCD camera, computer controlled lens, standard five position motorized filter wheel coupled with a highly transparent amber filter and 2X close-up lens. The KETA G series comprise three models employing a high intensity, wall-mounted white light LED for epi illumination. Optional MC 100 or MC 100-1 multi-color epi illumination light source are available for different application needs. Large visual area (25cmx25cm) with high intensity low background MD-25K UV transilluminator enhances gel visibility. The KETA GLX is easy upgradable for chemiluminescence and fluorescence applications with optional accessories and Magic Chemi software.

## Features

- KETA G for general gel documentation
- KETA GL for general gel documentation and basic chemiluminescence
- KETA GLX for high sensitivity gel documentation and chemiluminescence
- Excellent performance for routine life science applications

## Applications

- Drug discovery, Biotechnology company
- Education, university, academic and research institute
- Analytical chemistry, molecular laboratory
- Enzyme reaction, immunology
- Proteomics, genomics core facility
- Food industrial and inspection laboratory

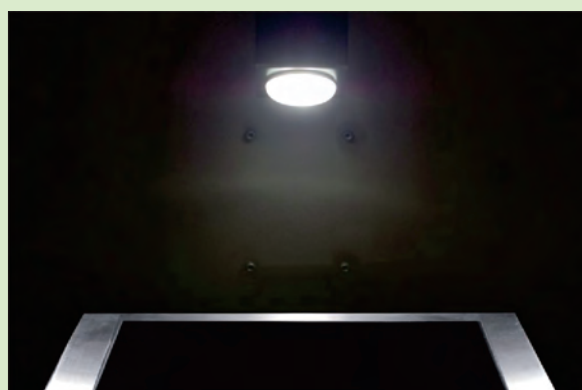
## Emission filter selection guide

Filter	Dye/stain
<b>WK 101</b>	EtBr, SYBR Green I/II, SYBR Gold, SYPR Red/Ruby/Orange
<b>WK 102</b>	SYBR Greeoptionn I/II, SYBR Gold, SYBR Safe, wtGFP
<b>WK 103</b>	EtBr, SYBR Green I/II, SYBR Gold, SYPRO Red/Ruby/Orange, Fluorescein/FITC
<b>WK 104</b>	SYPRO Ruby, EtBr
<b>WK 105</b>	SYPRO Red, Radiant Red, Texas Red

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



FW 55 Filter Wheel



U10 LED Light Source For Gel Focusing

# Specifications

	KETA G	KETA GL	KETA GLX
Camera	K12R	K12C	K12CH
CCD depth	12/16. A/D bit	12/16. A/D bit	12/16. A/D bit
Operating temperature	R-T	Ambient -30 °C	Ambient -30 °C
Chip size	1/2"	1/2"	2/3"
Resolution	1360 x 1024	1360 x 1024	1360 x 1024
S/N ratio	>56dB	>56dB	>62dB
Pixel size (um)	4.65 x 4.65	4.65 x 4.65	6.45 x 6.45
Cooling	Air	Peltier	Peltier
5 position filter wheel	FW 55	FW 55	FW 55
Lens adjustment	Motorized	Motorized	Motorized
U10 LED	Standard	Standard	Standard
UV-Transilluminator	MD-25K	MD-25K	MD-25K
Magic 1D Software	Standard	Standard	Standard
OS system	*Windows XP, Vista, 7	*Windows XP, Vista, 7	*Windows XP, Vista, 7
Filter	WK 101	WK 101	WK 101
Physical dimensions (mm)	460x450x725 (WxDxH)	460x450x725 (WxDxH)	460x450x725 (WxDxH)
Weight (kg)	42.2	42.2	42.2
Power	100/120/230V, 50-60 Hz	100/120/230V, 50-60 Hz	100/120/230V, 50-60 Hz
<b>Optional</b>			
Thermal printer	Digital	Digital	Digital
Sample Stage	-	Single sample stage	AS 100 motorized stage
(W/R/G/B) Illumination	-	-	MC 100 LED
(W/G/B/UV) Illumination	-	-	MC 100-1 LED

The spec is subject to change without prior notice. \*Windows XP, Vista, 7 are registered trademarks of Microsoft Corporation. \*\*Computer requirement: CPU 2.6G Hz, RAM 1 0G

## Ordering Information

Catalog No.	Description
1150001	KETA G gel documentation system & Magic 1 D software, 120V, 60Hz
1150002	KETA G gel documentation system & Magic 1 D software, 230V, 50Hz
1150003	KETA G gel documentation system & Magic 1 D software, 100V, 50/60Hz
1150011	KETA GL high resolution gel documentation system & Magic 1 D software, 120V, 60Hz
1150012	KETA GL high resolution gel documentation system & Magic 1 D software, 230V, 50Hz
1150013	KETA GL high resolution gel documentation system & Magic 1 D software, 100V, 50/60Hz
1150021	KETA GLX high resolution high sensitivity gel documentation system & Magic 1 D software, 120V, 60Hz
1150022	KETA GLX high resolution high sensitivity gel documentation system & Magic 1 D software, 230V, 50Hz
1150023	KETA GLX high resolution high sensitivity gel documentation system & Magic 1 D software, 100V, 50/60Hz
1155002	AS 100 motorized sample stage (factory install)
1155004	MC 100 Multi Color W/R/G/B instead of U10 as Epi source (factory install)
1155005	MC 100-1 Multi Color W/G/B/UV (365 nm) instead of U10 as Epi source (factory install)
1155006	MC 100-1 Multi Color W/G/B/UV (365nm) instead of MC100 W/R/G/B as Epi source (factory install)
1146001	UV/White light converter plate
1146011	UV/Blue light converter plate
1146003	Digital thermal printer
1153001	Magic 1D gel analysis software for single user key only
1153002	Magic 1D gel analysis software for three user keys
1153005	Magic Chemi, a Chemiluminescence image catch & process, single user key only
1153006	Magic Chemi, a Chemiluminescence image catch & process, three user keys



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