

Gel Documentation System



The KETA G series comprises three models for routine gel documentation. It consists of a superior 12 bit B/W CCD camera, computer-controlled lens, five position motorized filter wheel coupled with a highly transparent amber filter and a 2X close-up lens. Large 25 x 25 cm visual area with high intensity low background MD-25K UV transilluminator enhances gel visibility.

Optional MC 100 or MC 100-1 multi-color epi illumination light source are available for different application needs. Built-in blue/ white light transilluminator power source ideally for optional Bio-Safe applications. The KETA GLX is equipped with 16 bit 5.0 Megapixels CCD camera as a high resolution gel documentation.

Features

- Optional blue/white light transilluminator for Bio-Safe application
- KETA GL for gel documentation and basic chemiluminescence
- 5.0 M pixels CCD camera for high resolution gel documentation
- Powerful 1D analysis software

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
WK 101	EtBr, SYBR Green I/II, SYBR Gold, SYPR Red/Ruby/Orange
WK 102	SYBR Green I/II, SYBR Gold, SYBR Safe, wtGFP
WK 103	EtBr, SYBR Green I/II, SYBR Gold, SYPRO Red/Ruby/Orange, Fluorescein/FITC
WK 104	SYPRO Ruby, EtBr
WK 105	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	K12RN	K12CN	K16C5.0
CCD depth	12/16. A/D bit	12/16. A/D bit	16 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	2528 x 1912
S/N ratio	>52dB	>56dB	>56dB
Pixel size (um)	4.65 x 4.65	4.65 x 4.65	3.4 x 3.4
Cooling	Air	Peltier	Peltier
5 position filter wheel (mm)	55	55	67
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, 8	*Windows XP, Vista, 7, 8	*Windows XP, Vista, 7, 8
Filter	WK 101	WK 101	WK 101-62
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
Optional			
Thermal printer	Digital	Digital	Digital
Sample Stage	-	Single sample 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, 8 are registered trademarks of Microsoft Corporation. **Computer requirement: CPU 2.6GHz, 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 gel documentation and basic chemiluminescence application system & Magic 1 D software, 120V, 60Hz
1150012	KETA GL gel documentation and basic chemiluminescence application system & Magic 1 D software, 230V, 50Hz
1150013	KETA GL gel documentation and basic chemiluminescence application 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
1146021	BW-20 B&W light transilluminator, 20 x 20cm with power adaptor and orange cover, 100-240V, 50/60 Hz
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
1151210	High transparent orange filter 55mm
1151220	High transparent orange filter 67mm for KETA GLX



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