

# KETA G



## KETA Gel Documentation Imaging System (G-series)

This computer-controlled system is for routine gel documentation. The system consists of a superior 12-bit b/w CCD camera, motorized lens, standard five position motorized filter wheel coupled with a highly transparent amber filter and a 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 and MC 100-1 multi-color epi-illumination light source are available for different applications needs. A large visual area (25cmx25cm) with high intensity low background MD-25K UV transilluminator enhances gel visibility. The Magic 1D software package enables fast image capture within a second. The system is easily upgradable to a Peltier-cooled or a 2-stage cooled CCD camera for chemiluminescence and fluorescence applications.

The KETA G-series provides excellent performance for routine life science applications. A full range of filters are available for your convenience.

### Emission filter selection guide

	Description	Dye/stain
WK 101	55 mm Amber filter 550~675 nm	EtBr, SYBR Green I/II, SYBR Gold, SYPR Red/Ruby/Orange
WK 102	55 mm SYBR Green filter 500~550 nm	SYBR Green I/II, SYBR Gold, SYBR Safe, wtGFP
WK 103	55 mm SYPRO Ruby 510 ~ 650 nm	EtBr, SYBR Green I/II, SYBR Gold, SYPRO Red/Ruby/Orange, Fluorescein/FITC
WK 104	55 mm HQ610/75	SYPRO Ruby, EtBr
WK 105	55 mm D630/60	SYPRO Red, Radiant Red, Texas Red

For others filters, please contact local distributor or [support@wealtec.com](mailto:support@wealtec.com)



FW 55 Filter Wheel



U10 LED Light Source For Gel Focusing

## Specification

	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
Operation temp	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	>56dB	>58dB	>62dB
Pixel size	4.65 um x 4.65 um	4.65 um x 4.65 um	6.45 um x 6.45 um
Cooling	air	Peltier	Peltier
5 position filter wheel	FW 55	FW 55	FW 55
Single sample stage	-	option	-
AS 100 motorized stage	-	-	option
Lens adjustment	motorized	motorized	motorized
U10 LED	standard	standard	standard
MC 100 LED (W/R/G/B)	-	-	option
MC 100-1 LED (W/G/B/UV 365 nm)	-	-	option
UV-Transilluminator	MD-25K	MD-25K	MD-25K
Smart latch	standard	standard	standard
Safety interlock	standard	standard	standard
Close up lens	2 X	2 X	2 X
Magic 1D Software	standard	standard	standard
OS system	Windows XP, Vista, 7	Windows XP, Vista, 7	Windows XP, Vista, 7
Thermal printer	digital (optional)	digital (optional)	digital (optional)
Filter	WK 101	WK 101	WK 101
Dimension (L x W x H)	46 x 45 x 72.5 cm	46 x 45 x 72.5 cm	46 x 45 x 72.5 cm
Weight	42.2 kg	42.2 kg	42.2 kg
Power	100/120/230 V, 50-60 Hz	100/120/230 V, 50-60 Hz	100/120/230 V, 50-60 Hz

The specification is subject to change without prior notice

## 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 in lieu of U10 as Epi source (factory install)
1155005	MC 100-1 Multi Color W/G/B/UV (365 nm) in lieu of U10 as Epi source (factory install)
1155006	MC 100-1 Multi Color W/G/B/UV (365nm) in lieu of MC100 W/R/G/B as Epi source (factory install)
1146001	UV/White light converter plate (Option)
1146011	UV/Blue light converter plate (Option)
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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