

Chemiluminescence System



The system provides high sensitivity with its state-of-the-art cooled CCD camera housed with a light-tight darkroom. Ideal for chemiluminescence signal detection, the system enhanced performance is optimized for ECL, ECL Plus, ECL Advance, ECL Plex, CDP Star, Qdot, Super Signal and CSPD detection. The KETA C series is equipped with a prime lens, tri-level sample stage and optional motorized sample stage. Magic Chemi software for operational conditions and parameters, stored and recalled, auto default and overlay background subtract function are also included.



U5 LED Light Source For Membrane Focusing



Sample Stage



Manual Lens



AS 100

Features

- KETA C low cost dedicate Chemiluminescence system
- KETA CL 2-stage cooled CCD camera for superior performance Chemiluminescence system
- KETA CLX 1.4 megapixels CCD for high resolution Chemiluminescence system

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

Specifications

	KETA C	KETA CL	KETA CLX
Camera	K12CH	K12CHS	*K16C
CCD depth	12/16. A/D bit	12/16. A/D bit	16 bit
Operating temperature	Ambient -30 °C	Ambient -45 °C	Ambient -40 °C
Chip size	2/3"	2/3"	2/3"
Resolution	1360 x 1024	1360 x 1024	1360 x 1024
S/N ratio	>62dB	>67dB	>69dB
Pixel size (um)	6.45 x 6.45	6.45 x 6.45	6.45 x 6.45
Cooling	Peltier	2- stage Peltier	Peltier
Lens	f1.4/16 mm	f0.95/17 mm	f0.95/17 mm
Tri-level sample stage	Standard	Standard	-
Internal light source	Standard	Standard	Standard
Magic Chemi Software	Standard	Standard	Standard
AS 100 motorized stage	Option	Option	Standard
OS system	*Windows XP, Vista, 7	*Windows XP, Vista, 7	*Windows XP, Vista, 7
Physical dimensions (mm)	460x450x725 (WxDxH)	460x450x725 (WxDxH)	460x450x725 (WxDxH)
Weight (kg)	34.7	34.7	34.7
Power	100/120/230V, 50-60Hz	100/120/230V, 50-60Hz	100/120/230V, 50-60Hz
Certification	CE	CE	CE
Optional			
Digital Thermal printer	Option	Option	Option

The specification is subject to change without prior notice. * K16C resolution has 1.4 megapixels which can upgrade to 4.0 megapixels, detail see ordering information.** Windows XP, Vista, and 7 are registered trademarks of Microsoft Corporation.***Computer requirement: CPU 2.6G Hz, RAM 1.0G

Ordering Information

Catalog No.	Description
1150061	KETA C chemiluminescence system & Magic Chemi software, 120V, 50/60Hz
1150062	KETA C chemiluminescence system & Magic Chemi software, 230V, 50/60Hz
1150071	KETA CL high sensitivity chemiluminescence system & Magic Chemi software, 120V, 50/60 Hz
1150072	KETA CL high sensitivity chemiluminescence system & Magic Chemi software, 230V, 50/60 Hz
1150081	KETA CLX pro sensitivity chemiluminescence system & Magic Chemi software, 120V, 50/60H
1150082	KETA CLX pro sensitivity chemiluminescence system & Magic Chemi software, 230V, 50/60H
1146003	Digital thermal printer
1153005	Magic Chemi software package, single user key only
1153006	Magic Chemi software package, three user keys
1155002	AS 100 motorized sample stage (factory install)



Wealtec Corp.
1885 Meadowvale Way,
Sparks, NV 89431, USA
Tel: +1-775-351-2066 Fax: +1-775-351-2077

E-Mail: sales@wealtec.com Web-site: <http://www.wealtec.com>

Wealtec Bioscience Co., Ltd.
27F., No.29-1, Sec. 2, Zhongzheng E. Rd., Danshui Dist.,
New Taipei City 251, Taiwan
Tel: +886-2-8809-8587 Fax: +886-2-8809-8589

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