

KETA M



KETA Multi-Purpose System (M-series)

This system is dedicated to chemiluminescence and fluorescence applications, in addition to gel documentation, for proteomics and genomics research. A wide linear range cooled-CCD coupled with 1.4 and 4.0 megapixels resolution achieves the ultimate performance for fluorescence and chemiluminescence applications. The KETA M-series sets the gold standard for molecular imaging analysis.

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

Specification

	KETA M	KETA ML	KETA MLX
Camera	K12CH	K12CHS	K16CH
CCD depth	12/16. A/D bit	12/16. A/D bit	16 bit
Operation temp	ambient -30°C	ambient -45°C	ambient -40°C
Chip size	2/3"	2/3"	2/3"
Resolution	1360 x 1024	1360 x 1024	2048 x 2048
S/N	>62dB	>67dB	>69dB
Pixel size	6.45 um x 6.45 um	6.45 um x 6.45 um	7.4 um x 7.4 um
Cooling	Peltier	2- stage Peltier	Peltier
5 position filter wheel	FW 55	FW 55	FW 55
Lens adjustment	motorized	motorized	motorized
MC 100 LED (W/R/G/B)	standard	standard	standard
MC 100-1 LED (W/G/B/UV 365 nm)	option	option	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
AS 100 motorized stage	option	option	standard
Single sample stage	standard	standard	-
Magic 1D / Magic Chemi 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	WK101 &WK 102	WK101 &WK 102	WK101 &WK 102
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	47.2 kg	47.2 kg	47.2 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
1150031	KETA M, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 120V, 60Hz
1150032	KETA M, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 230V, 50Hz
1150033	KETA M, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 100V, 50/60Hz
1150041	KETA ML, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 120V, 60Hz
1150042	KETA ML, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 230V, 50Hz
1150043	KETA ML, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 100V, 50/60Hz
1150051	KETA MLX, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 120V, 60Hz
1150052	KETA MLX, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 230V, 50Hz
1150053	KETA MLX, a multi-purpose system dedicated for chemiluminescence / fluorescence and gel documentation complete with Magic 1D & Magic Chemi software, 100V, 50/60Hz
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
1153011	Prodigy SameSpots 2D Software package (manual alignment)
1153012	Progenesis SameSpots 2D Software package (auto alignment)
1153013	Fingerprinting, RFLP, VNTR dendrograms package
1146001	UV/White light converter plate (Option)
1146011	UV/Blue light converter plate (Option)
1146003	Digital thermal printer
1155002	AS 100 motorized sample stage (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)



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