

Stand Alone Gel Documentation



KETA S



KETA S is a stand-alone imaging system specially for routine gel documentation purpose, equipped with B/W 12bit CCD camera with manual adjustment lens, built-in firmware, compact darkroom, large LED back light LCD display, touch screen panel, USB port, multiple languages interface, Epi-White light LED, and 302 nm UV transilluminator allows to capture various images like X-ray film, SDS-PAGE and agarose gel stained by EtBr, SYBR Green, SYBR Orange, SYPR Gold, Coomassie Blue, and silver stain. Built-in white / blue light transilluminator power source is ideal for optional **Bio-Safe** applications. Package with band tool analysis software is standard.

Features



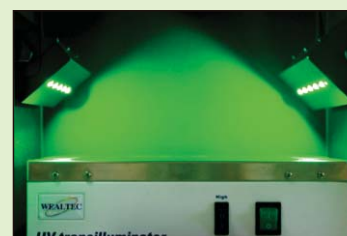
Slide out frame for UV-transilluminator



Optional blue/white light transilluminator



UV light intensity switch and safety interlock



Optional Epi-W/G/B/UV light source

Applications

- Drug Discovery, Biotechnology company
- Education, university, academic and research institute
- Analytical chemistry, colorimetric laboratory
- Enzyme reaction, immunology
- Proteomics, genomics, core facility
- Food industrial and inspection laboratory
- Bio-Safe stain applicable
- TLC plate and colorimetric blots excitation

Specifications

CCD depth	B/W 12 bit
Chip size	1/2"
Pixel Size (µm)	4.65 x 4.65
Pixel Resolution	1.4 Mega Pixels
Dynamic Range	3.6
Grayscale	4096
S/N Ratio (dB)	>56
Lens	49mm, f1.2, 8-48 mm 6X manual adjustment
Filter	Close-up 2X & HT Amber filter
Communication	USB 2.0
Epi-Illumination	White Light LED
UV Transilluminator	302nm, 6 x 8 Watt tubes, 250 x 250 mm filter size
DC 24V/0.67A power source	For 20 x 20 cm B&W light transilluminator
Filter Size (mm)	49
Control & display	6.5" Touch Screen TFT LCD Monitor
Image file format	JPG, BMP, JPEG, DFN, TIFF, PCX, GIF, TGA
Image storage	USB memory stick / Built-in CF Card
Physical dimensions (mm)	450 x 390 x 740 (W x D x H)
Power	230/120/100 V, 50-60 Hz
Weight (kg)	38
Operating environment	Temp: 0-40°C, Humidity: 10-90% R.H. Non-condensing
Optional	
Thermal printer	Digital thermal printer
Converter plate	UV/White light converter plate
Software	Dolphin-1D analysis software
Transilluminator	200 x 200 mm B&W light transilluminator
Epi-illumination	MC 100 W/R/G/B ; MC 100-1 W/G/B/UV

The spec is subject to change without prior notice.

Ordering Information

Catalog No.	Description
1147021	KETA S Image System, 120V, 50-60Hz, includes CCD camera, manual adjust lens, darkroom with Epi-White LED light, 2+ closed up, EtBr filter, MD-25 UV- transilluminator (25 x 25cm), Band Tool software.
1147022	KETA S Image System, 230V, 50-60Hz, includes CCD camera, manual adjust lens, darkroom with Epi-White LED light, 2+ closed up, EtBr filter, MD-25 UV- transilluminator (25 x 25cm), Band Tool software.
1147023	KETA S Image System, 100V, 50-60Hz, includes CCD camera, manual adjust lens, darkroom with Epi-White LED light, 2+ closed up, EtBr filter, MD-25 UV- transilluminator (25 x 25cm), Band Tool software.
Accessories	
1144001	Dolphin-1D software
1144012	Dolphin-1D software instead of standard Band Tool software
1146001	UV/White light converter plate
1146002	Protection cover with support holders and 4 screws for gel excision
1146003	Digital thermal Printer
1146021	BW-20, 20 x 20 cm stand alone B&W light transilluminator with power adaptor and orange cover, 100-240V, 50/60 Hz
1147102	High transparent orange filter 49mm
1155004	MC 100 Multi Color W/R/G/B instead of U 10 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)
8100027	High transparent amber filter



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

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

