



Dolphin - Doc Plus U Image System



- Low cost high performance gel documentation system
- USB 2.0 supported highly sensitive 12 bit digital B/W CCD camera
- Small footprint darkroom design
- Switchable Epi & Trans light source
- 180° fully opened front door with UV radiation safety interlock
- Dual intensity 312 nm UV transilluminator for both gel analysis and excision
- Dolphin-1D software controlled images capturing and analyzing
- Applications : fluorescence gel/PAGE, X-ray film, blotting membrane, microtiter plate and colony counting

Features

- Concisely image capturing interface
- 8, 12, 16 bits pixel depth simulation
- Simple operation quick guide
- Step-by-step motion tracking supported
- One-click auto data processing
- Precisely lane & band profile output aligns with lane image
- 3-D image profile display
- Image blending and labeling function
- Compatible image file formats: JPG, BMP, JPEG, DFN, TIFF, PCX, GIF, TGA
- Support GLP/GMP mode
- Powerful analysis functions: Gel MW/Mass determination, Colony counting, Microtiter plate analysis and Spot density calculation

Dolphin Doc Plus is a high sensitive gel documentation system for research laboratory use. The light-tight dark-room with integrated Epi-White light and 312 nm UV transilluminator enables various image application such as EtBr stained gels, SYBR Green stained gels, Coomassie Blue stained SDS-PAGE, Silver stain samples, X-ray film, colony petridish, blotting membrane and microtiter plate with colorimetric assay.

Specification

CCD camera & lens	
Sensor size	1/2"
Pixel size	4.65 µm x 4.65 µm
Pixel resolution	1360 x 1024 (~1.4 Mega)
Dynamic range	3.6
Grayscale	4096
S/N ratio	56 dB
Temperature	Room Temperature
Lens	49mm, f1.2, 8-48 mm (6x) manual lens
Filter	HT-Amber filter and 2X close-up lens
Communication	USB 2.0
Hardware & Software	
Illumination	Overhead dual white light
UV transilluminator	312 nm, 25 x 25 cm filter
Full-open door	Yes
Pull out drawer	Yes
Door safety Interlock	Yes
UV light safety switch	Yes
Software	Dolphin-1D analysis software
Option	
Thermal printer	Digital thermal printer/ laser/ Inkjet printer
Converter plate	UV/White light converter plate
UV protection cover	Gel excision, visualization
Computer System	PIV*-2.6 GHz, 1 G RAM with English version Windows** XP/ Vista / 7 system or above, at least 2.0 USB ports

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Ordering information

Catalog No.	Description
1141004	Dolphin-Doc Plus Gel Image system, 120V/50-60Hz, Includes CCD camera, lens, darkroom, MD-25 UV-transilluminator (25 x 25cm), Dolphin-1D software
1141005	Dolphin-Doc Plus Gel Image system, 230V/50-60Hz, Includes CCD camera, lens, darkroom, MD-25 UV-transilluminator (25 x 25cm), Dolphin-1D software
1141006	Dolphin-Doc Plus Gel Image system, 100V/50-60Hz, Includes CCD camera, lens, darkroom, MD-25 UV-transilluminator (25 x 25cm), Dolphin-1D software
1146003	Digital thermal printer for Dolphin-Doc Plus Image System
1146001	UV/ White light converter plate
1144001	Dolphin-1D software
1142001	MD-20 UV transilluminator, 120V/ 50-60 Hz, 312 nm, 20 x 20cm filter size
1142002	MD-20 UV transilluminator, 230V/ 50-60 Hz, 312 nm, 20 x 20cm filter size
1142003	MD-25 UV transilluminator, 120V/ 50-60 Hz, 312 nm, 25 x 25cm filter size
1142004	MD-25 UV transilluminator, 230V/ 50-60 Hz, 312 nm, 25 x 25cm filter size
1142005	MD-20 UV transilluminator, 100V/ 50-60 Hz, 312 nm, 20 x 20cm filter size
1142006	MD-25 UV transilluminator, 100V/ 50-60 Hz, 312 nm, 25 x 25cm filter size
1142007	HD-20 UV transilluminator, 120V/ 50-60 Hz, 365 nm, 20 x 20cm filter size
1142008	HD-20 UV transilluminator, 230V/ 50-60 Hz, 365 nm, 20 x 20cm filter size
1142009	HD-25 UV transilluminator, 120V/ 50-60 Hz, 365 nm, 25 x 25cm filter size
1142010	HD-25 UV transilluminator, 230V/ 50-60 Hz, 365 nm, 25 x 25cm filter size
1142011	HD-20 UV transilluminator, 100V/ 50-60 Hz, 365 nm, 20 x 20cm filter size
1142012	HD-25 UV transilluminator, 100V/ 50-60 Hz, 365 nm, 25 x 25cm filter size



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