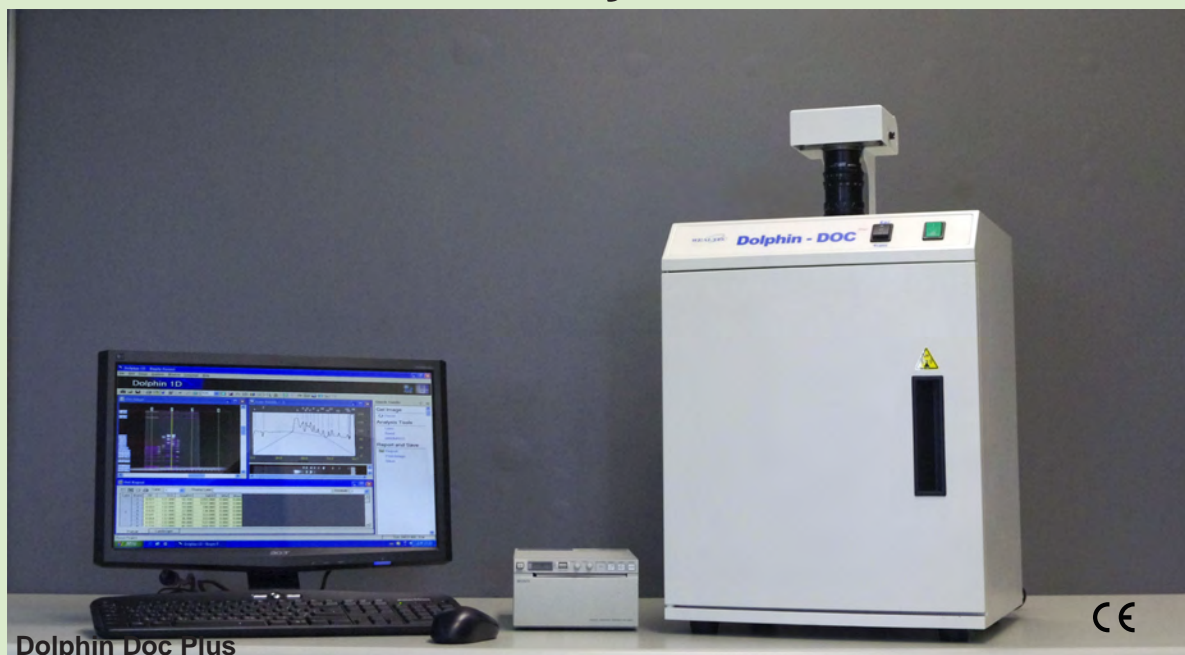


# Gel Documentation System



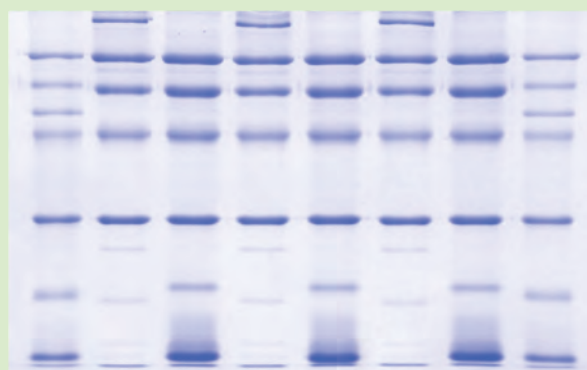
New milestone in gel documentation market, comprise with darkroom, room temperature 12 bit digital B/W camera, manual adjustment lens, Epi-White light and 312 nm UV transilluminator allows to capture various images like X-ray film, SDS-PAGE and Agarose gel stained by EtBr, SYBR Green, SYBR Orange, SYPR Gold, Coomassie Blue, and silver stain.

1 D software package is the standard of the Dolphin-Doc plus system, the main function includes concisely image capturing interface, 3-D image profile display, image blending and labeling, operation quick guide, 8-16 bits pixel depth simulation, step-by-step motion tracking, precisely lane & band profile output aligns with lane image.

Colony petridish, blotting membrane, microtiter plate as well as colorimetric assay all included.



EtBr stained DNA agarose gel observed in Dolphin Doc plus system



Coomassie Brilliant Blue stained SDS-PAGE observed in Dolphin Doc plus system

## Features

- Low cost high performance gel documentation system
- Small footprint suitable for frequently used gel documentation
- Dual intensity 312 nm UV transilluminator for both gel analysis and excision
- 8-16 bits pixel depth simulation
- Operation quick guide and one-click auto data process.
- Compatible image file formats: JPG, BMP, JPEG, DFN, TIFF, PCX, GIF, TGA

## 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

# Specifications

CCD depth	12 bit
Chip size	1/ 2"
Pixel size (um)	4.65 x 4.65
Pixel resolution	1360 x 1024 (~1.4 Mega)
Dynamic range	3.6
Grayscales	4096
S/N ratio	56 dB
Operating temperature	Room temperature
Lens	49mm, f1.2, 8-48 mm (6x) manual adjustment
Filter	HT-Amber filter and 2X close-up lens
Communication	USB 2.0
Illumination	Overhead white light
UV transilluminator	312 nm, 25 x 25 cm filter
Full-open door	Yes
Slide-out frame	Yes
Door safety Interlock	Yes
UV light safety switch	Yes
Software	Dolphin-1D analysis software
Physical dimensions (mm)	380 x 380 x 820 (W x D x H )
Weight (kg)	35
Certification	CE
<b>Optional</b>	
Thermal printer	Digital thermal printer/ laser/ Inkjet printer
Converter plate	UV/White light converter plate
UV protection cover	Gel excision, visualization

The spec is subject to change without prior notice.\*Computer system requirement: Higher than 2.6 GHz, 1 G.

\*\*OS: MS Windows XP/ Vista/ 7 systems.\*\*Windows, XP, Vista, and 7 are registered trademarks of Microsoft Corporation.

## 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
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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