



BioDoc-It® Imaging System

BioDoc-It Systems are now available in two different configurations - select your choice of camera and door design. BioDoc-It 220 models feature a 1.3 megapixel camera plus side access doors; BioDoc-It 210 models feature a 0.3 megapixel camera (no side doors). Capture, preview and save gel images with user-friendly features that enable fast, easy to use gel documentation for fluorescent and colorimetric imaging. The systems allow users to perform image capture functions with a touch of the screen. The simple design is excellent for multiple user laboratories. An external computer is not required; though network connectivity is possible for transfer of images directly to your computer.

Applications

- Fluorescent Gels
- Colorimetric Gels with addition of UV to White Light Converter Plate

Main Features

- BioDoc-It systems are available with the choice of camera: 0.3 megapixel camera (FluorCam 210) for quick image capture or the 1.3 megapixel camera (FluorCam 220) for superior image quality
- Side access doors are included in the BioDoc-It 220 models for moving or cutting gels while viewing on the screen or through the viewer window
- The 8 inch LCD screen with new touch screen technology allows users to easily select screen options with the stylus pen.
- The integrated software provides increased simplicity for image capture and live preview of images and saving images.
- Save images in TIFF, JPEG or GIF file formats.
- USB drive allows users to save captured images to the USB thumb stick (1 GB min. stick included).

New Capture Software

- Live - See a live preview of the gel
- Snap - Capture the image
- Save - Save the snapped image; select from TIFF, GIF and JPEG file formats
- Print - Connect to an optional printer
- Time Stamp - Set the date and time for each image captured
- Exp Warn - Set the exposure warning
- Preferences - Set user preferences
- Integration - Increase or decrease integration times

CCD Camera / Lens

- Select from two cameras: **(A)** 0.3 megapixel camera (FluorCam 210) with 8-bit depth for quick image capture and documentation and **(B)** 1.3 megapixel camera (FluorCam 220) with 12 bit depth, 16 file bit depth for superior image quality and resolution
- Assembly connects to the darkroom for easy access and control of the zoom lens

Compact Darkroom

- Compact darkroom mounts onto choice of Benchtop or FirstLight transilluminator
- The LCD screen pivots for optimum viewing angle
- Touch screen technology allows users to select system functions with a stylus pen
- Overhead white light is built into the darkroom
- Ethidium Bromide (EtBr) filter located in the sliding filter tray under the camera
- Unique gel viewer window blocks UV while allowing visualization of samples without opening the door

Side Access Doors

- Access doors included on the BioDoc-It 220 models are positioned on each side of the darkroom for moving or cutting gels without opening the front door

Specifications

- Camera: FluorCam 210 Camera (included with BioDoc-It 210 models)
 - Type: Monochrome
 - CCD Bit Depth: 8 bit
 - File Bit Depth: 8 bit
 - Grayscale Range: 0 - 256
 - Resolution: 0.3 megapixels
 - Pixel Resolution: 640 x 480
 - Lens: 5.7-34.2mm zoom

- Camera: FluorCam 220 Camera (included with BioDoc-It 220 models)
 - Type: Monochrome
 - CCD Bit Depth: 12 bit
 - File Bit Depth: 16 bit
 - Grayscale Range: 0 - 65,535
 - Resolution: 1.3 megapixels
 - Pixel Resolution: 1280 x 1024
 - Lens: 8 - 48mm zoom

- Darkroom:
 - Side access doors (BioDoc-It 220 models only)
 - 8" inch LCD color touch screen
 - USB drive and USB stick (1 GB stick included)
 - Wide access door with UV safety shutoff
 - Gel viewing window
 - Overhead white light
 - Optional side access ports
 - Integrated software
 - Network connectivity

- Emission Filters
 - Ethidium Bromide EtBr Red 570-640nm
- Transilluminators select from:
 - FirstLight UV Illuminator: select from three filter sizes
 - Benchtop UV Transilluminator: select from single UV, 2UV and 3UV models in three filter sizes)

Dimensions:

External with camera: 30.7”H x 14.2”W x 13.3”D (780 x 361 x 338mm)
Darkroom Internal: 13.8”W x 11.0”H (35 x 28cm)

Options

- Cameras: Fluor Camera
- Doc-It LS Analysis Software: Image acquisition plus extensive enhancement and analysis capabilities
- Transilluminators: Select from the FirstLight or Benchtop models
- Converter Plates:
 - Visi-Blue Converter Plate
 - Longwave Converter Plate
 - UV to White Light
- Camera Filter: SYBR Green/EGFP P/N 38-0219-01
- Thermal Printer: For archive quality prints in seconds
- Gel-Tools:
 - Gel-Sentry
 - Step Tablet
 - Gel-Cutter
 - Gel-Ruler
 - Gel-Scooper
 - Gel-Trays

BioDoc-It 220 Imaging Systems (includes 1.3 megapixel camera, darkroom with touch screen *and* side access doors)

BioDoc-It 220 Imaging Systems			
Model	Description (with Transilluminator – Filter Size and UV)	115V	230V
BioDoc-It 220	BioDoc-It Imaging System (W/M-20V - 20x20cm, 302nm UV)	97-0182-01	97-0182-02
BioDoc-It 220	BioDoc-It Imaging System (W/LM-20 - 20x20cm, 365/302nm UV)	97-0174-01	97-0174-02
BioDoc-It 220	BioDoc-It Imaging System (W/M-26V - 21x26cm, 302nm UV)	97-0183-01	97-0183-02
BioDoc-It 220	BioDoc-It Imaging System (W/LM-26 - 21x26cm, 365/302nm UV)	97-0175-01	97-0175-02
BioDoc-It 220	BioDoc-It Imaging System (W/LMS-20 - 20x20cm, 254/302/365nm UV)	97-0176-01	97-0176-02
BioDoc-It 220	BioDoc-It Imaging System (W/LMS-26 - 21x26cm, 254/302/365nm UV)	97-0177-01	97-0177-02
BioDoc-It 220	BioDoc-It Imaging System (W/M-26XV - 25x26cm, 302nm UV)	97-0178-01	97-0178-02
BioDoc-It 220	BioDoc-It Imaging System (W/FI-20 - 20x20cm, 302nm UV)	97-0179-01	97-0179-02
BioDoc-It 220	BioDoc-It Imaging System (W/FI-26 - 21x26cm, 302nm UV)	97-0189-01	97-0189-02
BioDoc-It 220	BioDoc-It Imaging System (W/FI-26X - 25x26cm, 302nm UV)	97-0190-01	97-0190-02

BioDoc-It 210 Imaging Systems (includes 0.3 megapixel camera, darkroom with touch screen, *no* side access doors)

BioDoc-It 210 Imaging Systems			
Model	Description (with Transilluminator – Filter Size and UV)	115V	230V
BioDoc-It 210	BioDoc-It Imaging System (w/M-20V 20x20cm, 302nm)	97-0165-01	97-0165-02
BioDoc-It 210	BioDoc-It Imaging System (w/LM-20E – 20x20cm, 302/365nm)	97-0166-01	97-0166-02

BioDoc-It 210	BioDoc-It Imaging System (w/M-26V – 21x26cm, 302nm)	97-0167-01	97-0167-02
BioDoc-It 210	BioDoc-It Imaging System (w/LM-26 2UV – 21x26cm, 302/365nm)	97-0168-01	97-0168-02
BioDoc-It 210	BioDoc-It Imaging System (w/LMS-20 3UV – 20x20cm, 254/302/365nm)	97-0170-01	97-0170-02
BioDoc-It 210	BioDoc-It Imaging System (w/LMS-26 3UV – 21x26cm, 254/302/365nm)	97-0171-01	97-0171-02
BioDoc-It 210	BioDoc-It Imaging System (w/M-26XV – 25x26cm, 302nm)	97-0172-01	97-0172-02
BioDoc-It 210	BioDoc-It Imaging System (w/FirstLight FI-20 – 20x20cm, 302nm)	97-0188-01	97-0188-02
BioDoc-It 210	BioDoc-It Imaging System (w/FirstLight FI-26– 21x26cm, 302nm)	97-0187-01	97-0187-02
BioDoc-It 210	BioDoc-It Imaging System (w/FirstLight FI-26X – 25x26cm, 302nm)	97-0173-01	97-0173-02