

gel documentation

Technical Specifications

Camera:

Type	5x optical / 4x digital zoom camera-
Effective Pixels	14.7 megapixels
CCD	1/1.7" high-density CCD
Maximum Aperture	f/2.8 (W) ~ f/4.5 (T)
Shutter Speed	15 ~ 1/4000s
Filters	+3 Close up and EtBr; optional SYBR green

Storage Media	2MB memory card
Computer Interface	USB 2.0 Hi Speed (mini-B jack)
Video Out	NTSC/PAL

Darkroom:

Multi-power Source	For camera, inner white LED,
Capture	Manual-save in BMP format
Inner White Light	2x3W LED
Safety Device	Safety door switch
Weight & Dimensions	6.1kg; 290x220x320mm
Voltage Rating	110~220V

Screen:

Type	8" TFT
Resolution	600x800 Pixels
Brightness	350 cd/mm ²
Constant Ratio	300 : 1
Display Mode	NTSC / PAL / SECAM mode auto switching

- **14.7 Megapixel digital CCD camera**
- **Image visualised within a large 8" TFT colour monitor**
- **Light weight compact hood with easy access door and built-in inner lights**
- **Safety switches disconnect the UV source when the easy access door is opened**
- **Computer-free operation**
- **Available on its own with camera and darkroom, or as a complete gel documentation system with transilluminator, either with or without software**
- **Transilluminators supplied in single and dual wavelength formats – see page 42**



Recently upgraded with a new 14.7 megapixel digital CCD camera to guarantee superb resolution, the microDOC is the researcher's choice for a simple ultra-compact gel documentation system that meets constraints in both budget and space within the laboratory. A large 8" TFT screen enables images, including agarose and fluorescent gels, colorimetric gels, autoradiography film and blotting membrane, to be captured in colour, clearly and easily. The system is computer-free and supplied with a 2MB storage card and 58mm ethidium bromide filter as standard, while an optional SYBR filter is also available. Files are saved onto the 2MB storage card in RAW, TIFF-RGB and JPEG formats and may be transferred to computer for analysis with the highly recommended TotalLab™ 1D software.

Printer

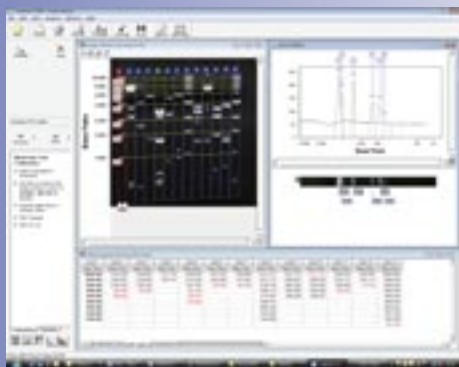
The Mitsubishi P93 is a high speed, high resolution thermal printer that is perfectly suited to printing images directly from the microDOC. Connected to the microDOC by a BNC cable, the Mitsubishi P93 prints 325dpi images, up to 133 x 99mm in size. Thermal printer paper is also available.

microDOC BASIC

The microDOC BASIC is a simple low-cost system comprising a lift-off dark room hood and 14.7 megapixel digital camera, through which the gel is viewed directly. This system can be supplied with optional TotalLab 1D Analysis Software and any one of the 21x21cm transilluminators listed on page 42.

TotalLab™ 1D software

TotalLab™ 1D software is supplied only as part of a complete package with each of the microDOC and transilluminator options. Its main functions include: lane creation, background subtraction, band detection, profile deconvolution, and molecular size, pl and quantity calibration. More sophisticated TotalLab™ Quant and Phoretix standalone software options are available for 1D applications that require band matching, array, colony counting and image ToolBox functionalities.



Ordering Information

Gel Documentation Systems	System only	Including TotalLab 1D Analysis Software	
Compact Gel documentation system	CSL-MICRODOC	CSL-MICRODOC1D	
microDOC System with UV Transilluminator (UVT312)	CSL-MDOCUV312	CSL-MDOCUV3121D	
microDOC System with UV Transilluminator (UVT254)	CSL-MDOCUV254	CSL-MDOCUV2541D	
microDOC System with UV Transilluminator (UVT365)	CSL-MDOCUV365	CSL-MDOCUV3651D	
microDOC System with UV Transilluminator (UVT254/312)	CSL-MDOCUV254/312	CSL-MDOCUV254/3121D	
microDOC System with UV Transilluminator (UVT254/365)	CSL-MDOCUV254/365	CSL-MDOCUV254/3651D	
microDOC Basic System with lift-off dark room hood and camera only	CSL-MDOCBASIC	CSL-MDOCBASIC1D	
Software			
Base package*: 1D image analysis plus colony counting and array analysis	TotalLab Quant		
Base package*: 1D image analysis with band pattern matching, plus colony counting and array analysis	Phoretix 1D		
The Phoretix 1D Pro software is used to perform sophisticated 1D gel analysis.	Phoretix 1D Pro		
Accessories			
Mitsubishi Thermal Printer for use with Microdoc - 110 - 240V	CSL-PRINT	Replacement printer paper	CSL-PRT PAP
Microdoc ethidium bromide filter	CSL-MDOCEB	UV to white light conversion screen for transilluminator	CSL-UVSCRN
Microdoc SYBR filter	CSL-MDOCSBRG	White light box for Micro doc	CSL-MDOCWLB