

documentation

VISUALISATION & DOCUMENTATION

- 12.1 MEGA PIXEL DIGITAL CAMERA*
- IMAGE VISUALISED WITHIN A LARGE 8" TFT COLOUR MONITOR
- LIGHT WEIGHT COMPACT HOOD WITH EASY ACCESS DOOR AND BUILT-IN INNER LIGHTS
- INTEGRAL MICROSWITCH TURNS OFF UV TRANSILLUMINATOR AND TURNS ON INTERNAL LIGHT
- CAN BE USED WITHOUT A COMPUTER
- INCLUDES FLASH CARD, FLASH CARD READER AND ETHIDIUM BROMIDE FILTER

microDOC is a simple, inexpensive and ultra compact gel documentation system. It contains a digital camera with improved high-sensitivity CCD sensor and the latest image processor to guarantee superb resolution of 12.1 mega pixels*. For added convenience, limited space and budget requirements, microDOC can be used computer free. The image is viewed from a large 8" TFT colour liquid crystal display. A variety of images can be captured in colour, clearly and easily, from agarose and other fluorescent gels, colorimetric gels, auto radiography film and blotting membranes. The system is fitted with a 55mm ethidium bromide filter and has a safety switch to turn off the UV Transilluminator when the door is opened. This also activates internal light for convenient gel manipulation. Files can be saved in a variety of formats (RAW, TIFF-RGB and JPEG) for later transfer to computer systems for storage and analysis with the highly recommended TotalLab™ 1D software.

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.

Built-in Wi-Fi technology from the camera may be used within the microDOC camera to facilitate instantaneous wireless transfer of images to a computer or smart device - no cable connection required. Set-up requires a broadband internet connection and a DHCP-enabled wireless router. Minimum system requirement for software installation is Windows XP.



MICRODOC

shown with UV Transilluminator



easily lifted on and off transilluminator



high resolution 12.1Mb digital camera



separate power and light switches



internal illumination when door is open

microDOC BASIC

microDOC BASIC is a simple low-cost system comprising a lift-off dark room hood and 12.1 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

Technical Specifications

CAMERA:	
EFFECTIVE PIXELS:	12.1 MILLION
CCD:	1/1.7-INCH TYPE CMOS SENSOR WITH DIGIC 5 PROCESSOR
ZOOM:	5 X ZOOM /4X DIGITAL
MAX. APERTURE:	F/2.8 (W) - F/4.5 (H)
SHUTTER SPEED:	15 - 1/4000s. (TOTAL RANGE)
FILE FORMATS:	RAW, TIFF-RGB, JPEG
STORAGE MEDIA:	8GB MEMORY CARD WITH BUILT-IN WI-FI
COMPUTER INTERFACE:	HI-SPEED USB (MINI-B COMPATIBLE)
FILTER:	+3 CLOSE UP AND EtBr; OPTIONAL SYBR GREEN
VIDEO OUT:	NTSC/PAL
8.0" TFT LIQUID CRYSTAL SCREEN:	
DISPLAY FORMAT:	800 x 600 PIXELS
LUMINANCE:	350 CD/MM ²
CONSTANT RATIO:	300 : 1
DISPLAY MODE:	NTSC/PAL/SECAM MODE SWITCHABLE VIDEO AND AUDIO SWITCHING
CHAMBER, MICRODOC:	
HOOD DIMENSION:	290 x 220 x 320MM (WxDxH)
MULTI POWER SOURCE:	FOR CAMERA, INNER LIGHT LAMP, TFT SCREEN
INNER WHITE LAMP:	2 TUBES
SAFETY DOOR SWITCH:	SHUTS DOWN UV TRANSILLUMINATOR WHEN DOOR IS OPENED
UV TRANSILLUMINATOR, MULTIDOC:	
WAVELENGTH:	254, 312 OR 365NM (SPECIFY)
FILTER SIZE:	21 x 21CM
LIGHT SOURCE:	6x 8W TUBES



microDOC BASIC

ORDERING INFORMATION

Gel Documentation Systems

	System only	Including TotalLab 1D Analysis Software
Compact Gel documentation system	MDOC	MICRODOC1D
microDOC System with UV Transilluminator (UVTS312)	MDOCUV312	MDOCUV3121D
microDOC System with UV Transilluminator (UVTS254)	MDOCUV254	MDOCUV2541D
microDOC System with UV Transilluminator (UVTS365)	MDOCUV365	MDOCUV3651D
microDOC System with UV Transilluminator (UVTS254/312)	MDOCUV254/312	MDOCUV254/3121D
microDOC System with UV Transilluminator (UVTS254/365)	MDOCUV254/365	MDOCUV254/3651D
microDOC System with UV Transilluminator (UVTS312/365)	MDOCUV312/365	MDOCUV312/3651D
microDOC Basic System with lift-off dark room hood and camera only	MDOCBASIC	MDOCBASIC1D

Accessories

PRNT	Mitsubishi Thermal Printer for use with Microdoc - 110/240V	PRTTAP	Replacement thermal printer paper
MDOCEB	Microdoc ethidium bromide filter	MDOCWLB	White light box for Micro doc
MDOCSBRG	Microdoc SYBR filter	MDOC-WIFI	Optional 4GB wireless memory card

For 110 V AC, please add '-\$' as a suffix to the appropriate product code

* specification of camera is subject to change, usually by improvement