

E2051

Photo documentation



- Complete photo documentation system
- Allows to save images on a compact flash card without the need of a computer
- Can be used with any type of UV table
- Gel visualisation on a large high resolution LCD screen
- Allows the printout of photos with most types of video printers
- Supplied with free software

The E2051 is an easy to use and affordable photo documentation system for any laboratory even those without darkroom facilities.

It replaces the traditional cameras, which are less performing and more expensive compared to the print cost.

→ *UV table and video printer are not included in the E2051!*

- **Electronic control box**

Large B/W TFT screen allows to view the images before printing.

Integration time control (10 presets).

A compact flash card (128 Mb) allows to store images in TIFF format for export to a computer.

Displays the integration time on the TFT screen.

Electronic circuit with microprocessor controls the integration time and the power supply of the camera.

BNC output for video printer.

- **Hood with camera**

Hood in thermoformed ABS equipped with high sensitivity CCD monochrome camera, zoom and UV/IR interference filter.

CCD monochrome camera.

Resolution: 752x582 pixels.

High sensitivity (10^{-5} lux): 0.01 ng of ethidium bromide stained DNA.

Zoom 8.5x51 / 1.2 with extra 2D lens.

UV/IR interference filter: type F590.

Gel size: max. 180x240 mm / min. 30x40 mm.

- **Requirements for a video printer**

Grey levels: 256.

Interface: video composite (BNC).

Normal image size: 90x68 mm.

Wide image size: 95x71 mm or 100x74 mm.

Should be purchased locally (e.g. Sony UP-895CE).

- **Software**

Captures and stores the images in different formats (TIFF, BMP, JPEG, PICT, PCX, GIF, Targa,...).

Enables to add text or symbols in the images.

Rotates, mirrors or inverts images.

Allows to adjust brightness and contrast.

Automatically identifies bands and lanes.

Defines and saves markers.

Calculates the molecular weight for all the detected bands.

Calculates the volume, area and intensity of all the detected bands.

Counts colonies.

Allows to print results on a laser printer or ink jet printer.

HELP function.

Accessories

CODE	DESCRIPTION
E2051	Photo documentation comprises camera + extra zoom lens 2D + F590 filter + hood + electronic control box + compact flash card + camera cable + BNC cable for video printer + software

CODE	DESCRIPTION
E2721	UV table, 312 nm, 20x20 cm (recommended)
E2991	UV/WL conversion screen, 250x295 mm
AP895	Video printer Sony UP-895CE