

# Scie-Plas VISION Gel Documentation System



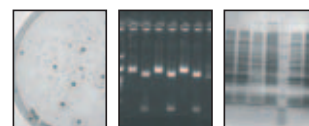
### BENEFITS INCLUDE

- **A self-explanatory simple to use system** - requiring no specialist on-site installation or training
- **Built in USB Drive** - allows rapid image saving and upgrading of software
- **High resolution images** - recorded in real time on an integrated colour LCD screen, using an 8-bit 768 x 582 pixel camera
- **Filter drawer with optional interchangeable filters** - capable of viewing a range of different fluorescent stains
- **UV-to-white light converter screen, 302 x 330mm** - for easy imaging of protein gels, autoradiographs and colony plates
- **Darkroom** - an ideal money-saving feature, universally compatible with all brands of standard mini bench top transilluminators
- **Maximum gel size** - 20 x 20cm - makes Vision the perfect gel documentation system for all standard Scie-Plas horizontal and vertical gel electrophoresis units, as well as most alternative brands
- **Save images in TIFF or BMP format** - via a USB connection either to a memory stick, network or WIFI
- **GeneTools Analysis Software** - saves time by automating analysis of gels, colony plates and blots
- **3-year warranty** - for complete peace of mind

The Scie-Plas VISION is a new compact imaging system for gel documentation, ideally suited to scientists who do not want another PC in their laboratory. Based on the latest image storage technology, VISION allows gel images to be printed instantly or saved on a USB memory stick for archiving or further processing. Also available is a network capability using either a WiFi or an ethernet connection. This easy to upgrade system comes complete with powerful GeneTools analysis software.

Using VISION is simple. The darkroom is designed to accommodate the most commonly available 20 x 20cm bench top transilluminators used to illuminate gels. Using a white light or blue light converter, VISION can be adapted to view and capture images as follows: -

- **Agar plates of dark, light or two-colour colonies**
- **Cells in flasks**
- **DNA, RNA or protein on membranes**
- **Spot and slot blots of DNA, RNA or protein**
- **Cells or solutions in microtitre plates**
- **DNA or protein macroarrays**



### TECHNICAL SPECIFICATION

Camera	8-bit mono, 768 x 562 Pixels	
CCD	1/2 inch	
Zoom	8 - 48 manual zoom	
Lens	F1.2	
Exposure Control	0.04 - 10 seconds	
Detection Sensitivity	0.01ng	
Image Storage	USB	
Image Format	BMP or TIFF	
Transilluminator	Filter size	20 x 20cm
	Wavelength	302nm
	Variable intensity	50-100%
Compatible Dyes	Ethidium Bromide, Coomassie Blue, Silver Stain, SYBR® Gold, SYBR® Green, SYBR® Safe, GelStar®, Sypro® Red, Sypro® Ruby, Sypro® Orange, Fluorescein, Rhodamine Red™, Texas Red™, Pro Q® Diamond, Deep Purple™	

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### ORDERING INFORMATION

#### Complete System

Vision gel documentation system, including transilluminator, white light converter and GeneTools software for 230 Vac mains power supply

Vision gel documentation system, including transilluminator, white light converter and GeneTools software for 110 Vac mains power supply

#### Part No.

VISION

VISION-A

#### Replacement Parts & Accessories

1 x transilluminator, 302nm, 20 x 20cm

GVM20-E

1 x UV-to-white light converter, 302 x 330mm

CONVERTWHITE-2030



## GeneTools Software

GeneTools is an advanced, but easy to operate, 1-D gel and 2-D spot blot analysis software that can be purchased either as part of the Scie-Plas Vision gel documentation system or separately for use with other gel documentation systems. An extensive and flexible array of analysis options enables GeneTools to handle a range of media, including gels, TLC plates, films and blots, while its many automated features allow gel images to be loaded, processed and quantified rapidly in as little as a few seconds.

### ORDERING INFORMATION

**Complete System**

GeneTools analysis software

**Part No.**

GENETOOLS

### BENEFITS INCLUDE

- **Compatible with multiple media formats** - horizontal and vertical gels; MADGE gels, films, ELISA and TLC plates; and dot and slot blots
- **Other applications comprise** - molecular weight/base pair; Rf and band quantity determination; colony counting; densitometry; spot blot and band matching
- **Software automation** - ensures rapid image generation and data acquisition
- **Automatic band matching and analysis of multi-layered gels** - simultaneous analysis of multiple well lines per gel
- **Automatic correction of background and band and dot distortion**
- **Automatic/manual marker assignment**
- **Integral molecular weight calibration library**
- **Full GLP reporting** - e.g. gel, lane, molecular weight, quantity and track histogram
- **Multiple data display options** - curves, bar charts, pie charts etc.
- **Results** - may be saved in Excel or \*.CSV (comma-separated value) format for export