ESSENTIAL V2

All you need is me

Simple and rapid image acquisition

"We do a lot of routine documentation and we need a robust and easy to use instrument. Our Essential is an all-inclusive system for the price of a basic one. The filter wheel, roll-out transilluminator, quantification software, Sony chip CCD camera are all included."

> Capture and print

- **Affordable scientific CCD package**
  Essential V2 is as superbly suited to simple, rapid capture and print applications as it is to high precision image optimisation and capture. It is therefore ideal for research environments with a high number of occasional or frequent users, or for the dedicated single user who needs complete control over image capture and analysis. The Essential V2 specifications are ideal for routine documentation.

- **Efficient and versatile**
  The cutting edge Essential V2 camera and optics deliver the highest scientific imaging grade possible for the most demanding applications. The system has the ability to grow with the user and has a list of features long enough to satisfy the most demanding lab user. In research laboratories where premium quality, sensitivity and precision are required, Essential V2 comes into its own.

> Capture and print

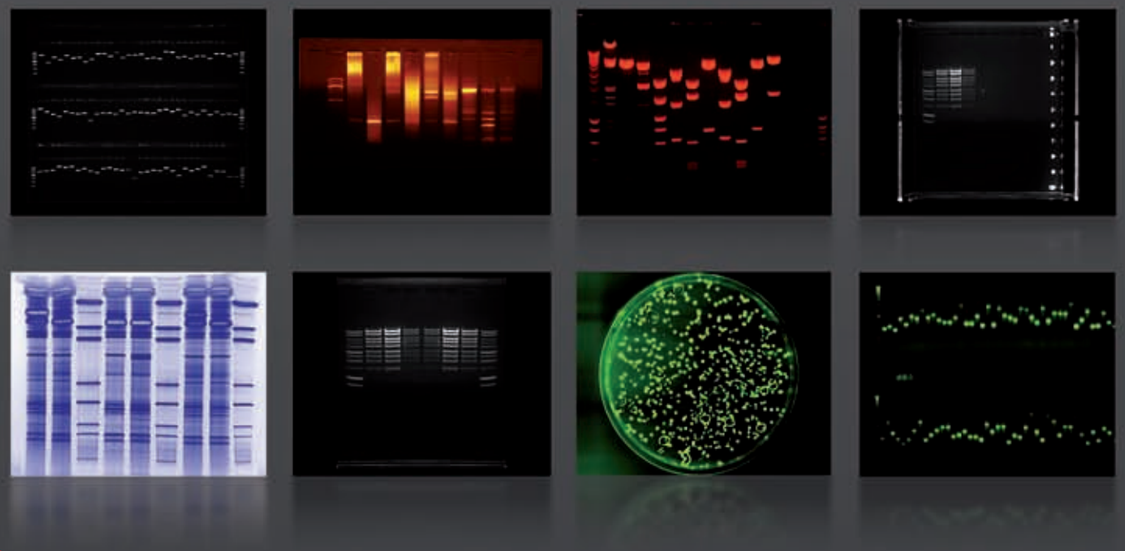
In research laboratories where premium quality and precision are required Essential V2 comes into its own.
The Essential V2 is ideal for publication and routine documentation. Based on a Sony chip CCD, the superb quality of the scientific camera sensors enables high sensitivity in low light condition. With no learning curve and only a few buttons to press a high quality print or image file can be produced in seconds. Special features such as autofocus (for the motorised zoom version only), auto-exposure and saturation monitoring of the live image enable the highest precision image optimisation for the most demanding users.

> Tough hardware

Essential V2 incorporates the most efficient and versatile darkroom cabinet available. The transilluminator is fully enclosed but can be pulled out easily on a movable tray to allow visual examination of the gel and band extraction. Several choices of overhead illumination are available, including UV and white light options.

> Set the tone

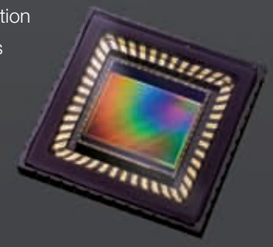
The Essential 1D software is designed for simple and rapid image acquisition. Before or after being archived (saved) to the PC as a TIFF file the image can be manipulated in a number of ways including contrast and brightness adjustment, mirror imaging, image inversion and annotation (text and symbols). The displayed image can be converted to one of several colour scales (red, blue, green and multicoloured palette) without affecting the data before being analysed to determine molecular weights and band quantities (optical density).



Fulfil your ESSENTIAL need

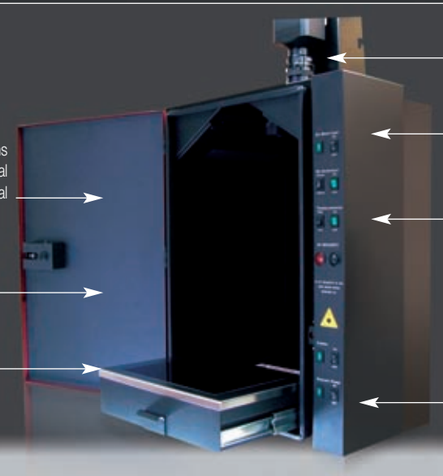
> The cherry on the cake

- Ideal for publication and routine documentation
- Scientific Sony chip CCD camera
- 1 megapixel – 12-bit pixel depth
- Patented UVI-Pure technology available
- Extreme ease of use
- Auto-exposure
- Autofocus with motorised zoom option
- Focusing gauge for precise focusing
- USB connection
- Comprehensive range of models for any application or budget
- Ideal for multi-user environment
- Good Laboratory Practice file
- Inclusive of free Essential 1D software for both image acquisition and analysis
- Advanced UVIband or UVIbandmap software available
- Robust steel and stainless steel construction
- Wide variety of darkrooms and options to tailor your own system and fit your budget
- Several epi-illumination options
- Compact design
- Roll-out transilluminator
- Singe or dual wavelength transilluminator
- Multi-position filter slide. Custom filters available
- Multi-user capability
- Protocol-driven image acquisition
- Direct access to key functions
- Publishing & image enhancement features
- Superb quality camera filter optimised for ethidium bromide
- Copy the image to clipboard and paste either in Microsoft Word™ or Excel™



GELDOC - FLUORESCENCE

D77 cabinet
Anatomical discovery



Manual or motorised zoom lens options
Patented focusing assistant
Autofocus mode for the motorised zoom lens option

Multi-position filter wheel to cover virtually all applications

Choice of 12 illumination options
Bio-fluorescence and multiplexing ready – optional
Epi-Bright Multi-wavelength source – optional

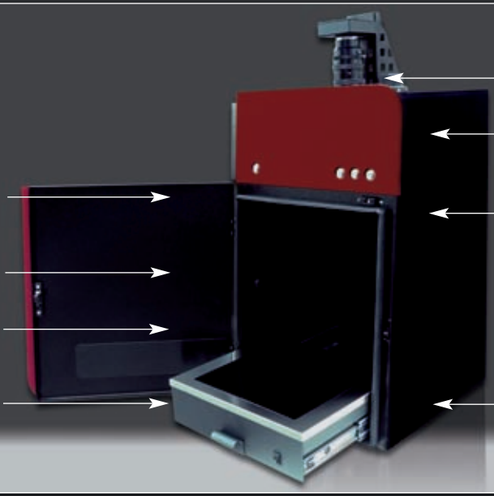
Dual white light epi (fluorescent tube)
Optional dual UV epi 254 & 365nm

Smart control panel with UV security option

Roll-out transilluminator
UVI-Pure option
UV security timer
Single (312nm) or dual wavelength (312 & 365nm) for preparative work
White light / Blue light conversion screen available

Say no to plastic
Steel and stainless steel darkroom
Epoxy-painted for chemical resistance

D56 cabinet
Anatomical discovery



Manual or motorised zoom lens options
Patented focusing assistant
Autofocus mode for the motorised zoom lens option

Multi-position filter slide

Smart control panel with UV security option

White light epi (fluorescent tube)

Say no to plastic
Steel and stainless steel darkroom
Epoxy-painted for chemical resistance

Roll-out transilluminator
UVI-Pure option
UV security timer
Single (312nm) or dual wavelength (312 & 365nm) for preparative work
White light / Blue light conversion screen available

Full imaging grade darkroom
Complete black imaging body

Complete black imaging body

	PLATINUM HD2 THE POWER MACHINE	FIREREADER EXPAND YOUR TERRITORIES	ESSENTIAL V2 ALL YOU NEED IS ME
	FLUORESCENCE Massive specifications for the highest performance gel doc systems • Extreme 2 megapixel resolution • Massive 16-bit imaging for enhanced dynamics • Ideal for resolution demanding applications such as 1D quantification, 2D gel, bio-fluorescence • USB super-fast connection • 'One-touch' fully automated image acquisition programme	**FLUORESCENCE** The best lab standard • 1,4 megapixels • Sony CCD chip camera • Massive 16-bit imaging for enhanced dynamics • Ideal for documentation, publication and quantification • USB connection • 'One-touch' fully automated image acquisition programme	**FLUORESCENCE** The system which fits your budget • 1 megapixel / 12-bit imaging • Sony CCD chip camera • Capture, print and save at a glance • Ideal for publication and routine documentation • USB connection
Configuration	D56 or D77 cabinet configuration available	D56 or D77 cabinet configuration available	D56 or D77 cabinet configuration available
Camera & optics	2 megapixels / 16-bit imaging (65 536 grey levels) Dynamic range: 4.8 OD Extreme sensitivity Scientific grade camera with electronically variable shutter speed. FireWire super fast connection 6 times optical zoom 2 binning modes available	1,4 megapixels / 16-bit imaging (65 536 grey levels) Dynamic range: 4.8 OD Extreme sensitivity Scientific Sony chip CCD camera with electronically variable shutter speed USB connection 6 times optical zoom 2 binning modes available	1 megapixel / 12-bit imaging Super high sensitivity Scientific Sony chip CCD camera USB connection 6 times optical zoom 1 binning mode available
Software	**Platinum 1D software** 'One-touch' fully automated image acquisition programme Image enhancement, annotation and illustration 3 image analysis modules: - 1D molecular weight (MW, volume, intensity…) - Colony counting - Distance calculation (RF, IEF…)	**FireReader 1D software** 'One-touch' fully automated image acquisition programme Image enhancement, annotation and illustration 3 image analysis modules: - 1D molecular weight (MW, volume, intensity…) - Colony counting - Distance calculation (RF, IEF…)	**Essential 1D software** Image enhancement, annotation and illustration 3 image analysis modules: - 1D molecular weight (MW, volume, intensity…) - Colony counting - Distance calculation (RF, IEF…)
Options	• UVI-Pure transilluminator • Single or dual wavelength • Manual or motorised zoom lens • Advanced UVI-Band or UVI-BandMap software.	• UVI-Pure transilluminator • Single or dual wavelength • Manual or motorised zoom lens • Advanced UVI-Band or UVI-BandMap software.	• UVI-Pure transilluminator • Single or dual wavelength • Manual or motorised zoom lens • Advanced UVI-Band or UVI-BandMap software.