

FIREREADER

Expand your territories

Scientific CCD camera



“ We have realised the importance of resolution and pixel depth when doing quantification. We are impressed by the fantastic results we obtain with our FireReader system. All our images are optimised for quantification and quick to take, saving us a lot of time. ”

> Light your fire

• Sony chip CCD camera

The FireReader high specification systems boast the highest performance cameras available for gel documentation. Based on a Sony chip CCD camera, the superb quality of the camera sensors enables the resolution of intensity over a massive 65,536 grey levels (16-bit) which means extreme sensitivity and a dynamic range of up to 4.8 orders of magnitude. In practice it gives greater confidence to users when imaging even the most difficult and faint fluorescent samples.

• Documentation and quantification

The FireReader is ideal for both documentation and quantification. Thanks to our proprietary technology its superb 1.4 megapixel native resolution can be extended to 5.5 megapixels for the most demanding resolution applications.

> Capture, edit, analyse

• FireReader 1D software

FireReader 1D is easy to use yet sophisticated enough to allow ultra-precise optimisation when capturing the image. With, for instance, full control of saturation it ensures that all bands are quantifiable with the complimentary FireReader 1D software. The FireReader 1D software is designed for simple and rapid image acquisition followed by easy image manipulation, annotation, archiving and analysis.

• Multiplexing ready

Special features include binning modes for enhanced sensitivity. All image acquisition parameters can be saved as a file and re-used at any time for a protocol-driven image acquisition process.

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 optical density.

> Chemical attraction

- Fluorescence & visible
- Quantification & documentation
- Gene expression, protein expression, RNA/DNA assay, colonies
- Open to most dyes available on the market from Invitrogen, GE Life Science, Thermo Pierce, Sigma, Millipore, Promega



The HOT list

> Push the button

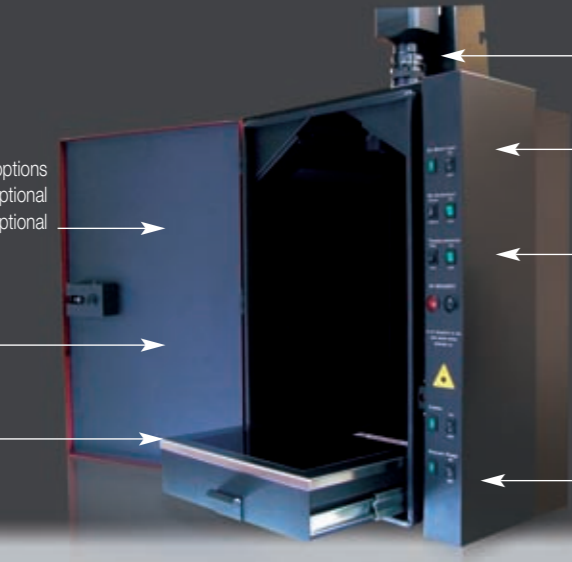
- Extreme sensitivity for the faintest fluorescence sample
- Scientific Sony chip CCD camera
- Suitable for both routine documentation & critical quantitative applications
- 1.4 megapixels extendable to 5.5 megapixels
- Massive 16-bit pixel depth (65 536 grey levels)
- Auto-exposure
- Autofocus with motorised zoom option
- Focusing gauge for precise focusing
- Versatile and upgradeable
- 12 wavelength illumination options.
- Bio-fluorescence & multiplexing ready
- Patented UVI-Pure technology available
- Dynamic range up to 4.8 orders of magnitude
- Suitable for both routine documentation and critical quantitative applications
- Versatile and upgradeable

- USB connection
- “One-touch” fully automated image acquisition programme
- Wide variety of darkrooms and options to tailor your own system and fit your budget
- Inclusive of free FireReader 1D software for both image acquisition and analysis
- Single or dual wavelength transilluminator
- Several epi-illumination options
- Superb quality camera filter optimised for ethidium bromide
- Advanced UViband or UVibandmap software available
- Bio-fluorescence and multiplexing ready
- Multi-position filter slide. Custom filters available



GELDOC - FLUORESCENCE

D77 cabinet Anatomical discovery



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

Smart control panel with UV security option

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

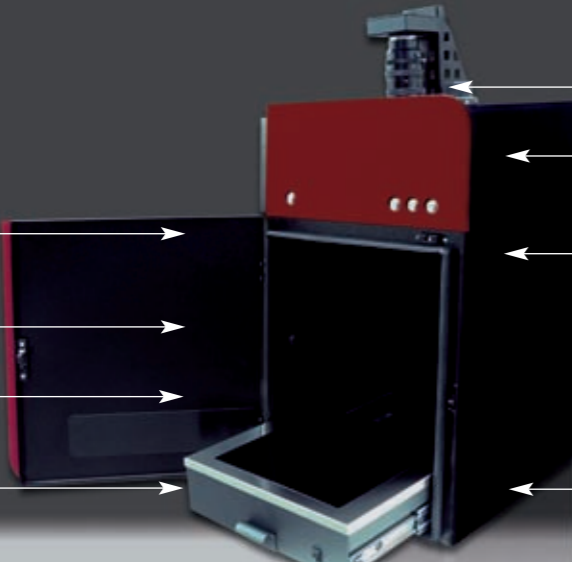
Manual or motorised zoom lens options
Patented focusing assistant
Autofocus mode for the motorised zoom lens option

Multi-position filter wheel to cover virtually all applications

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

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

D56 cabinet Anatomical discovery



Smart control panel with UV security option

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

Full imaging grade darkroom
Complete black imaging body

Complete black imaging body

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

Multi-position filter slide

White light epi (fluorescent tube)

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



	PLATINUM HD2 THE POWER MACHINE	FIREREADER EXPAND YOUR TERRITORIES	ESSENTIAL V2 ALL YOU NEED IS ME
	<p>FLUORESCENCE</p> <p>Massive specifications for the highest performance gel doc systems</p> <ul style="list-style-type: none"> • 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 	<p>FLUORESCENCE</p> <p>The best lab standard</p> <ul style="list-style-type: none"> • 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 	<p>FLUORESCENCE</p> <p>The system which fits your budget</p> <ul style="list-style-type: none"> • 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	<p>2 megapixels / 16-bit imaging (65 536 grey levels) Dynamic range: 4.8 OD Extreme sensitivity</p> <p>Scientific grade camera with electronically variable shutter speed. FireWire super fast connection 6 times optical zoom 2 binning modes available</p>	<p>1,4 megapixels / 16-bit imaging (65 536 grey levels) Dynamic range: 4.8 OD Extreme sensitivity</p> <p>Scientific Sony chip CCD camera with electronically variable shutter speed USB connection 6 times optical zoom 2 binning modes available</p>	<p>1 megapixel / 12-bit imaging Super high sensitivity</p> <p>Scientific Sony chip CCD camera</p> <p>USB connection 6 times optical zoom</p> <p>1 binning mode available</p>
Software	<p>Platinum 1D software</p> <p>'One-touch' fully automated image acquisition programme Image enhancement, annotation and illustration</p> <p>3 image analysis modules: - 1D molecular weight (MW, volume, intensity...) - Colony counting - Distance calculation (RF, IEF...)</p>	<p>FireReader 1D software</p> <p>'One-touch' fully automated image acquisition programme Image enhancement, annotation and illustration</p> <p>3 image analysis modules: - 1D molecular weight (MW, volume, intensity...) - Colony counting - Distance calculation (RF, IEF...)</p>	<p>Essential 1D software</p> <p>Image enhancement, annotation and illustration</p> <p>3 image analysis modules: - 1D molecular weight (MW, volume, intensity...) - Colony counting - Distance calculation (RF, IEF...)</p>
Options	<ul style="list-style-type: none"> • UVI-Pure transilluminator • Single or dual wavelength • Manual or motorised zoom lens • Advanced UVI-Band or UVI-BandMap software. 	<ul style="list-style-type: none"> • UVI-Pure transilluminator • Single or dual wavelength • Manual or motorised zoom lens • Advanced UVI-Band or UVI-BandMap software. 	<ul style="list-style-type: none"> • UVI-Pure transilluminator • Single or dual wavelength • Manual or motorised zoom lens • Advanced UVI-Band or UVI-BandMap software.

