

EXPAND YOUR TERRITORIES



UVITEC
C a m b r i d g e

FIRE READER

FIRE READER



Firereader is the most recent gel doc system released on the market. We think it is the best quality/price ratio ever seen in UK.



with
SONY
chip & semi-conductor



NO COMPROMISE CHEMILUMINESCENCE & FLUORESCENCE

SET THE TONE

- Extreme sensitivity for the faintest fluorescence samples
- Suitable for both routine documentation & critical quantitative applications
- Massive 16-bit performance (65 536 grey levels) - 1.4 Megapixels
- Scientific Sony chip CCD camera - USB connection
- 6 wavelength illumination options. Biofluorescence & multiplexing ready. Multi-position filter slide. Custom filters available
- Patent pending UVI-PURE technology available
- Versatile and upgradeable
- "One touch" fully automated image acquisition program
- Autofocus & focusing gauge - Motorized or manual scientific zoom lens
- Wide variety of darkrooms and options to tailor your own system and fit your budget
- Superb quality camera filter optimized for ethidium bromide

FIRE READER



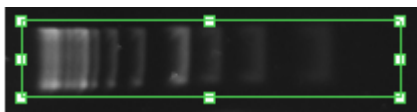
We combined our Fire Reader system with the UVI-PURE innovative technology for the imaging of dyes such as SYBR Green and Sypro Ruby achieving enhanced image quality and 25% better signal in comparison with standard systems.



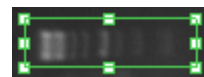
Applications:

- Fluorescence
- Biochemiluminescence
- In-vivo
- Multiplexing

THE POWER OF RESOLUTION



Fire reader high resolution imaging enables the user to see more details on the gel and improves analysis accuracy



Low resolution system contains less information

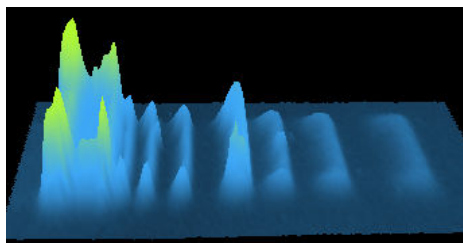
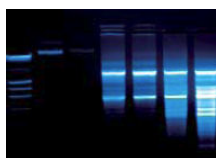


Image as understood by the computer: high precision of detail

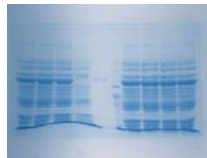


Image as understood by the computer: low precision

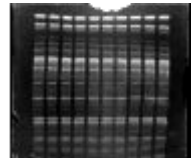
CHEMICAL ATTRACTION



Ethidium bromide gel



Protein gel



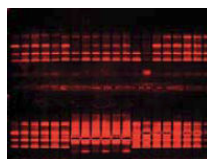
IEF



TLC



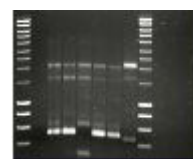
Colony plates



Multi-levels gels




Microtitration plate



SYBR green gels

SPECIFICATIONS

FIRE READER EXPAND YOUR TERRITORIES	
	
	The best lab standard
Camera & optics	<p>1,4 Megapixels / 16-bit performance (65 536 grey levels) Dynamic range: 4.8 OD Extreme sensitivity</p> <p>Scientific grade camera with electronically variable shutter speed Ultra high sensitivity for fluorescence Scientific grade camera - Chip quality: Grade 0, zero defect Progressive scan – Low dark current</p> <p>USB super-fast connection 6 times optical zoom - Manual (focusing gauge) or motorised configurations (autofocus)</p>
Software	<p>Fire Reader 1D software “One touch” fully automated image acquisition program Image enhancement, annotation and illustration. 3 image analysis modules:</p> <ul style="list-style-type: none"> - 1D Molecular weight (MW, volume, intensity, ...) - Colony counting - Distance calculation (RF, IEF, ...)
Options	<ul style="list-style-type: none"> ▪ UV-PURE transilluminator ▪ Single or dual wavelength, manual or motorized zoom lens ▪ Advanced UVI-Band or UVI-BandMap software.

CONFIGURATIONS

D77 DARKROOM



FIRE READER D77

Steel and stainless steel darkroom
Epoxy chemical resistant painting. Black body imaging grade
Multi-position filter wheel
8-watt built-in roll-out transilluminator
UV timer & security switch
12 wavelengths illumination options. Biofluorescence and multiplexing ready – optional Epi-Bright multiwavelength epi-illumination source.

D55 DARKROOM



FIRE READER D55

Steel and stainless steel darkroom
Epoxy-painted for chemical resistance
3 position filter wheel
8-watt built-in roll-out transilluminator
UV timer & security switch
White light epi-illumination

1D SERIES SOFTWARE

EXPAND YOUR TERRITORIES



Your gel on live! Our live preview mode ensures quick and easy sample positioning and fine focus. Autofocus, auto-exposure and video mode included!

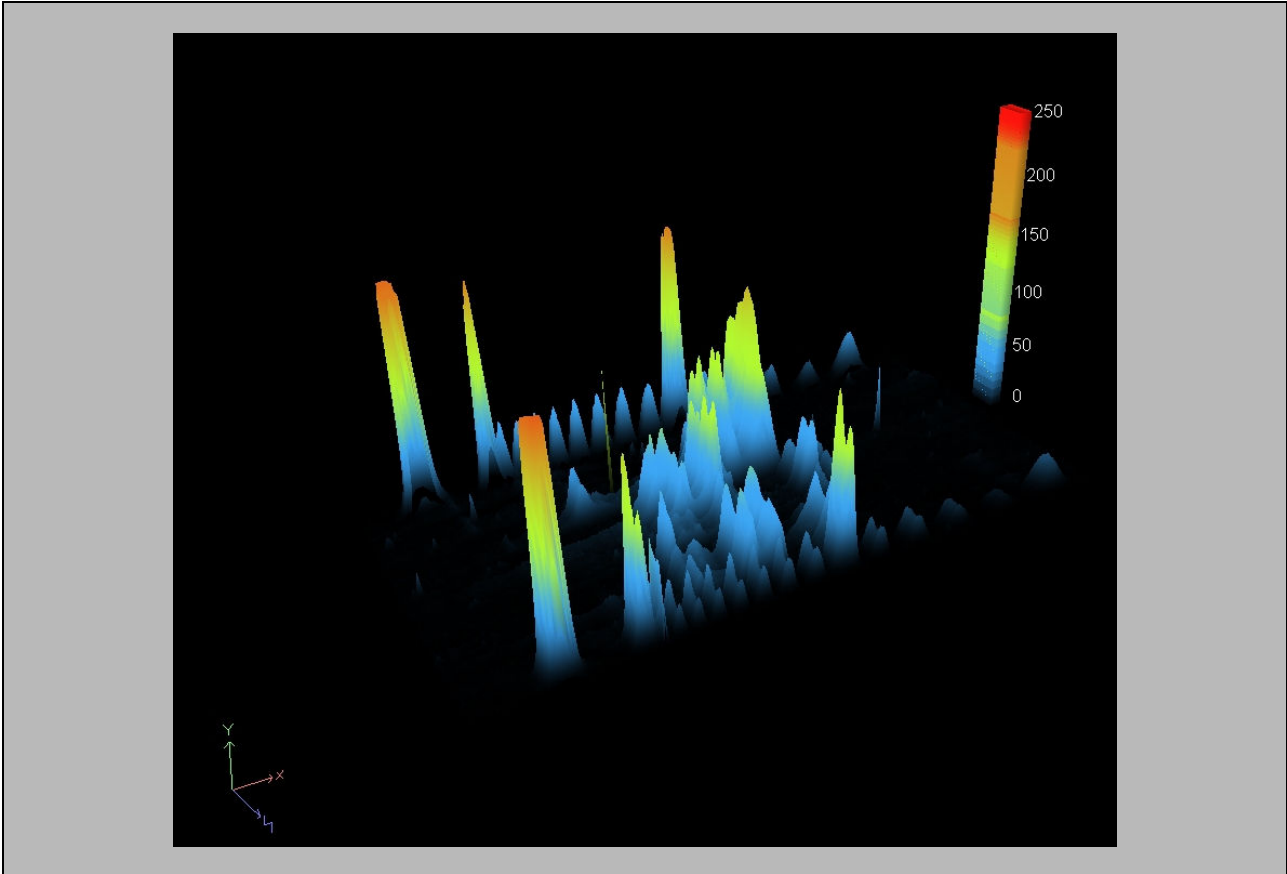
Getting the word out. Highlight important features with text and symbols. The software helps you to annotate and illustrate your image.

Create vibrant images. Enhance your image with the extensive and readily available set of tools such as multiple colour channels, cropping and image additions.

Need to quantify or measure? Just add a calibration marker for reference or measure the volumes to determine the quantity with our simple 1-2-3 approach.

ANALYSIS SOFTWARE

EXPAND YOUR ANALYSIS



UVIband analysis software enables the user to convert images into useful, publishable data easily! In designing UVIband packages, we have taken a realistic, professional approach and included only those features that are of genuine benefit to the user.

As a result, all UVIband packages are:

Powerful: UVIband analysis packages include many special features such as two alternative methods for correction of local and global gel distortions e.g. a “smile” or “frown” across the gel.

Reliable: our fully automatic background subtraction for band quantification provides consistency and reliability.

User-Friendly: every aspect of UVIband is designed with ease of use in mind. This includes the very first step of searching for an image to analyse which is facilitated by the ability to choose the file from a gallery of “thumbnail” images.

Flexible: Attractive as it may sound, so-called “One Step” analysis places excessive reliance on automation, resulting, in the best case, in inaccurate data and in the worst in totally irrelevant data from your image!