



Gel Documentation and Chemiluminescence Documentation

PHOTONYX - Gel Documentation and Analysis

The Photonyx system is available in a range of standard configurations for all fluorescence and chemiluminescence applications. You can therefore choose from models featuring the very latest high resolution CCD cameras for use in general gel documentation or the more advanced specification units for chemiluminescence work. You also get the choice of selecting either motor driven or manual lenses, manual or computer driven filter selectors and a range of lighting options for both reflected and transmitted light applications. Nyx Technik understands your needs therefore Photonyx gives you the ability to use a computer to control the camera/lenses, lighting and darkroom functions.

3 Systems Available: Photonyx Ultra Photonyx Chemi Photonyx Chemi Super16

Camera

Photonyx systems are all fitted with digital CCD cameras which are either USB or firewire. Importantly, Photonyx offers a range of different camera resolution options to suit all applications. All models operate in 12/16 bit mode. In systems that are used for chemiluminescence, Photonyx is equipped with one of Nyx Technik's super cooled cameras.

Lens

The Photonyx is fully computer controlled and so a motor-driven zoom lens [with feedback] is the usual choice. However, there are occasions when a fixed lens or a manual control zoom lens may meet the requirements of an application or budget.

Filter selection

Photonyx can be fitted with either a computer controlled 7 position filter wheel or a manual sliding filter selector.

Internal lighting

Here you have a range of options from transmitted to overhead lighting modules. In addition to UV you can also choose to have white light and blue light illumination.

Computer

The darkroom is fully microprocessor controlled so that functions such as camera settings, lens control (including feedback data), filter selection and lighting can all be set up from a PC. Also, user functions like camera exposure, neutral fielding, dynamic range and darkroom facilities (door lock, UV shut off) are also selected from the desktop.

Transilluminator

The UV transilluminator slides out for easy access. All transilluminators have variable intensity settings and very even illumination.

Photonyx - Image acquisition software

An advanced image capture software specifically developed to simplify the process of capturing gel images. Every Photonyx system includes Photonyx soft. It is a fully automatic package which controls camera integration, exposure, lens and capture options. The dynamic range selector, image series capture, system configuration and neutral fielding functions are also accessed through Photonyx soft.

Photonyx - Advanced gel analysis

Photonyx is an advanced analysis software for use with any Photonyx system. This highly automated software can rapidly analyse a gel from loading to output of results in a matter of seconds. Simplicity is the key feature of Photonyx allowing even the most inexperienced user to obtain fast, accurate results at the click of a button and with minimal training. With an extensive and flexible array of options you can handle a wide range of media including gels, plates, films and blots making Photonyx a very versatile package. The Nyx Technik Photonyx has software for image acquisition and analysis. Using our timesaving 'one button' technology, images can be quickly and easily captured. The analysis software is loaded with automatic features making it the fastest and most accurate package of its type.

6191 Cornerstone Court E., Ste. 110 • San Diego, CA 92121
Phone: 858.320.0096 • Fax: 858.320.0022 • www.nyxtechnik.com

EU_NA



Photonyx Ultra, Chemi & Chemi Super16

	Photonyx Ultra	Photonyx Chemi	Photonyx Chemi Super16
Camera			
Resolution (m pixels)	1.4 - 5.5m pixels	0.3 – 1.2	1.4 – 5.5
Bit depth	12 bit/16 bit	16 bit	16 bit
Greyscales	4,096/65,536	65,536	65,536
Dynamic range	3.6/4.8	4.8	4.8
Cooling	ambient	Deep peltier cooling	Ultra peltier cooling
Illumination			
UV transilluminator 20 x 20	Yes	Yes	Yes
UV to Visible light converter	Yes	Option	Yes
Blue light converter	Option	Option	Option
White Epi overhead	Yes	Yes	Yes
Dual UV Epi	Option	Option	Option
Blue Epi	Option	Option	Option

6191 Cornerstone Court E., Ste. 110 • San Diego, CA 92121
 Phone: 858.320.0096 • Fax: 858.320.0022 • www.nyxtechnik.com

EU_NA