G:BOX specifications

specifications

A perfect system every time

Features	Benefits
Modular tailored system	Enables you to select the right system for your work
Automated PC control	Speeds up the image capture and analysis process
Choice of camera	The right camera for your application
Light-tight darkroom with easy access service panel	Suitable for fluorescence and chemiluminescence work
Auto-locking door	Protects against accidental exposure
Large door opening	Easy access for gel positioning and viewing
16 bit performance	Very accurate gel data
USB technology	Very fast image capture and download
Optional motor driven optics	Easy system set up
Auto exposure and series capture	Easy image capture
Integration control	Capture faint bands or features from any gel
Auto focus configurations	Reproducible set up and imaging
Effective pixel selection	Extends camera resolution to mega pixel levels
Focus indicator	For ease of focusing
Neutral fielding	Perfect background correction
Variety of lighting options (EPI RGB LED lighting option available)	Even more flexible imaging applications
Optional filter wheel	Can detect a wide range of stains and dyes
GeneTools software	Comprehensive image analysis package for a range of applications

	G:BOX	G:BOX EF	G:BOX CHEMI	G:BOX CHEMI HR16	G:BOX CHEMI XT16	G:BOX CHEMI XL
Camera						
Effective pixels (million)	1.2	5.5	1.2	5.5	6.3	5.5
A/D	12bit/16bit	16bit	16bit	16bit	16bit	16bit
Greyscales	4096/65536	65536	65536	65536	65536	65536
Dynamic range	3.6/4.8	4.8	4.8	4.8	4.8	4.8
Cooling	Ambient	Low level cooling for extended fluorescence	Low and deep Peltier cooling	Ultra Peltier cooling for extra long exposures	Ultra 2 stage Peltier cooling for extra long exposures	Ultra Peltier cooling for extra long exposures
Illumination						
UV transilluminator (20 x 20 cm) (Larger size available)	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	Option
Visible light NovaGlo (33 x 31 cm)	Option	**Yes**	Option	**Yes**	**Yes**	Option
Blue light converter (33 x 31 cm)	Option	Option	Option	Option	Option	Option
White Epi - overhead	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
Dual UV Epi	Option	Option	Option	Option	Option	Option
Blue Epi	Option	Option	Option	Option	Option	Option
EPI RGB	No	Option	Option	Option	Option	Option
Fold down visible light table	Option	Option	Option	Option	No	No
Software						
GeneTools MPCS x2	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
GeneSnap	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
GeneDirectory	Option	Option	Option	Option	Option	Option

21 CFR11

Syngene software is 21 CFR11 compliant

Syngene software meets the requirements for compliance with regulation for electronic records and signatures. Using the unique Syngene formats, images can be analysed and recorded in a secure environment. Data management is controlled using a series of security levels. An audit trail of images and any changes are held in secure files. These can be viewed as can any unauthorised changes.

IQ/OQ/PQ

Validation documentation

Many users in the pharmaceutical and biotechnology fields now insist on IQ (Installation Qualification), OQ (Operational Qualification) and PQ (Performance Qualification) if they are to meet regulatory compliance. Syngene have IQ, OQ, PQ procedures for all customers who have the need to meet these requirements. The procedures follow easy to use checklists which can be integrated into the user's internal quality system. Syngene offers these procedures for its G:BOX range.