

Syngene G:BOX Chemi XX9

For high performance imaging, the new generation of G:BOX Chemi systems provide the user with an extended range of applications covering fluorescence and chemiluminescence.

Rating: Not Rated Yet

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Manufacturer [Syngene](#)

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Description

For high performance imaging, the new generation of G:BOX Chemi systems provide the user with an extended range of applications covering fluorescence and chemiluminescence. All these systems now utilise Syngene's groundbreaking GeneSys automatic control software. Driven from a database containing hundreds of capture protocols, full manual control is available should you wish to use it.

The G:BOX Chemi series features cameras with resolutions of 4m, 6m or 9m pixels. All have cooling which reduces the small amount of electronically generated noise to produce outstanding images with minimal background interference. These new generation cameras also have higher quantum efficiencies (QE) than most, helping the system to achieve outstanding levels of sensitivity.

Whether using the system for standard fluorescence applications such as DNA, or for chemiluminescence imaging, the G:BOX Chemi will give you high quality results. In addition, by using the optional LED modules users can work with a unique automated multiplexed function capable of using up to 5 channels. Other LED modules can be used to turn the G:BOX Chemi into a highly sensitive IR capture system. An edge lighting option can also be used for 2D gel capture including the use of DIGE gels.

The stylish design with modular construction includes motor-driven lenses, filter wheels with the option of including a range of lighting choices for both Epi and transillumination applications.

The system comes complete with unlimited copies of GeneTools analysis software.

Features

Why buy this product

- Performance
With the new GeneSys control software the user simply has to tell the G:BOX Chemi the sample type and dye and leave the rest to the automated capture system. Images are produced quickly with the minimum of effort. No other system on the market offers this level of control.
- High specification
The new series of cameras offer high performance imaging. The addition of cooling enables longer exposures to be used which can be a necessity for some fluorescence applications and definitely for chemiluminescence.
- Modular
The new design of G:BOX Chemi enables the user to use a range of options. This includes the latest LED fluorescence lighting modules for Epi illumination, providing the user with the ability to perform coloured fluorescent, multiplex and colorimetric imaging.

Specification

Gel imaging for fluorescence and chemiluminescence applications

	G:BOX F3	G:BOX Chemi XRQ	G:BOX Chemi XT4	G:BOX Chemi XX6	G:BOX Chemi XX9
System					
Image resolution (pixels m)	3.8	4	4.2	6	9
Effective resolution (pixels m)	15.3	16	16.76	18	27
A/D	12/16 bit	16 bit	16 bit	16 bit	16 bit
Greyscales	65536	65536	65536	65536	65536
Quantum efficiency @ 425nm	N/A	73%	53%	73%	73%
Cooling - regulated (degrees)	None	-57C	-57C	-57C	-57C
Lens (motor driven)	f1.2	f1.2 with feed back	f0.95 with auto focus	f0.95 with auto focus	f0.95 with auto focus
Filter wheel (7 position motor driven)	Yes	Yes	Yes	Yes	Yes
UV filter	Yes	Yes	Yes	Yes	Yes
Use with external PC	Yes	Yes	Yes	Yes	Yes
Darkroom					
Standard	Yes	Yes			
Extended with motor driven stage			Yes	Yes	Yes
Illumination					
Epi LED white lights	Yes	Yes	Yes	Yes	Yes
Epi UV 302nm	Optional	Optional	Optional	Optional	Optional
Epi red LED module		Optional	Optional	Optional	Optional
Epi blue LED module		Optional	Optional	Optional	Optional
Epi green LED module		Optional	Optional	Optional	Optional
Epi red LED module M series for multiplexing		Optional	Optional	Optional	Optional
Epi green LED module M series for multiplexing		Optional	Optional	Optional	Optional
Epi blue LED module M series for multiplexing		Optional	Optional	Optional	Optional
Epi IR LED module		Optional	Optional	Optional	Optional
IR multiplexing kit (680-800nm)		Optional	Optional	Optional	Optional
Visible light converter 33 x 31cm	Optional	Optional	Optional	Optional	Optional
White light pad for visible stains (20 x 14 or 20 x 30cm)	Optional	Optional	Optional	Optional	Optional
UltraBright LED blue light transilluminator 20 x 16cm	Optional	Optional	Optional	Optional	Optional

Edge lighting unit 26.5 x 20cm			Optional	Optional	Optional
UV transilluminators	Optional	Optional	Optional	Optional	Optional
Dimensions					
Max image area (cm)	25.5 x 21	30.5 x 22.7	19 x 19	32.3 x 25.6	32.3 x 25.6
Min image area (cm)	4.5 x 3.8	5.5 x 4	9 x 9	15 x 11.8	15 x 11.8
W x H x D (cm)	57 x 84 x 45	57 x 84 x 45	57 x 99 x 55	57 x 99 x 55	57 x 99 x 55
Weight (kg)	37	37	45	45	45
Voltage	115v/240v	115v/240v	115v/240v	115v/240v	115v/240v

Reviews

There are yet no reviews for this product.