

S Y N G E N E



PRECISION

High Resolution
camera

INTUITIVE

Featuring user
friendly software

FLEXIBLE

DNA, stain free, visible
protein analysis

OFFERING 5, 6, AND 9MP CAMERA OPTIONS

G:Box F3

Range

G:Box F3

Capture with confidence

SPECIFICATIONS

Image Resolution	5MP	6MP	9MP
Bit Depth	12/16 Bit		
Dynamic Range	3.6/4.8 OD		
Lens	F/1.2 with lens feedback		
Sample Size	32.5x24.1cm		
Sensor	1/2.5	1/2.4	1/2
Dimensions (HxWxD)	84x57x45cm		
Weight (kg)	37		
Power Input (V)	100-240		
Filter wheel	7 position motor driven		
External PC	Yes		
Illumination	White epi, Epi UV (optional), UV transilluminator (optional)		

Sensitive

The G:Box F3LFB is available with 5,6 and 9 megapixel camera options, paired with precision motor-driven zoom lens. This combination delivers exceptional image quality and remarkable spatial resolution, whether you're working with gels of any size, with the G:Box F3LFB you can rely on sharp, accurate image that clearly resolve even closely spaced bands and spots.

Flexible

For Ethidium Bromide gels, use the high-performance UV transilluminator. To image safe dyes, simply use the blue light converter screen. For visible stains, add the visible light converter screen. All accessories fit neatly on the transilluminator, providing the ideal lighting for your application.

Simple

Designed for ease of use, the sensitive imager works seamlessly with intuitive GenEsy software on a dedicated PC. Together, they simplify workflow while ensuring reliable detection of nanogram quantities of DNA and proteins.

Secure

Easily save and print publication-quality results, with full data security when working in a 21 CFR Part 11 compliant environment. IQ/OQ/PQ documentation is available, enabling users to verify that the system meets defined installation, quality,

What you need to know

BENEFIT

Large viewing area enables imaging of larger gels



High resolution and sensitivity easily resolve close bands and detect low amounts of DNA or protein.



User friendly with intuitive GeneSys image capture software



White light, blue light and UV testing options.



Future proof your system with free software upgrades and unlimited copies of GeneTools .



Time saving with automatic set-up of lighting and filters



FEATURES

Darkroom with hinged door and UV safety feature.



5, 6 and 9 million pixel camera.



Motor-driven zoom lens (F1.2), with lens feedback.



Options for a range of lighting.



Visible and blue light converter screens.



7 position motorised filter wheel (UV filter as standard)



Image enhancements and annotations.



Gene Tools analysis software.



Camera

5, 6 and 9 million pixel resolution

Lens

f/1.2 motor driver zoom lens with feedback

Filter choice

7 position filter wheel (UV filter as standard)

Internal Lighting

Internal LED white light for ease of sample positioning

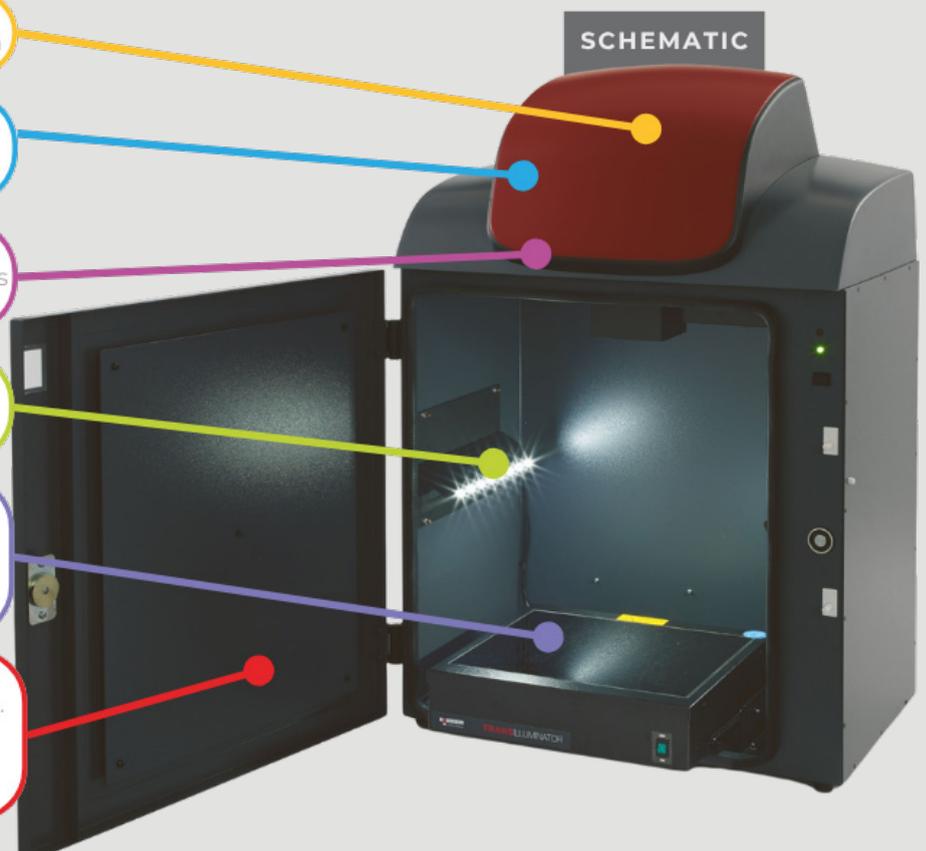
Lighting options

Slide in and out UV transilluminator, UV-blue converter screen, UV-visible converter screen

Safe access

Hinged door and safety switches. Override UV protects from accidental UV exposure when opening the door.

SCHEMATIC



Applications

These are just some applications that can be used with G:Box F3

Don't see your application here? Contact our team at support@syngene.com to discuss your specific needs.

DNA Gels	YES
Protein Gels	YES
Fluorescence	YES
Chemiluminescence	NO
Image Capture software	YES
Analysis Software	YES



DNA gel

With the G:Box F3, you can use the UV transilluminator to capture images of DNA gels stained with Ethidium Bromide.



Autorad Film

Featuring a 5, 6 and 9 million pixel resolution cameras ideal for capturing images requiring great detail. This is especially true when looking for separation between bands or spots. Capturing high-quality images of Autorads is one of the strengths of the G:Box F3.



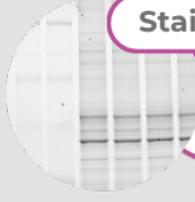
Visible Light

With the visible light converter, the G:Box F3 can be used to view gels stained with, e.g. Silver stain and Coomassie blue. You can also view tissues, slides and films.



Blue Light

A blue light conversion screen is available for applications requiring blue light excitation, e.g., "Safe" dyes such as GFP, SYBR[®] Green, SYBR[®] Gold, SYBR[®] Safe, SYPRO Ruby, Safe View and Flamingo.



Stain Free

G:Box F3 is capable of capturing stain free images automatically. Stain-free technology removes extra steps and long delays from staining with dyes such as Coomassie blue.



Why Syngene?

A World-Leading supplier of Gel Doc, Chemiluminescence and Fluorescence imaging

Since 1997, Syngene has been a global leader in gel doc systems, enabling rapid imaging and accurate analysis of visible gels, fluorescence westerns, stain free gels, and chemiluminescent blots.

At Syngene, we're committed to advancing Life Sciences, Molecular Biology, Genomics, and Proteomics with cutting-edge imaging technology. Our products are designed to meet the highest regulatory and accreditation standards, ensuring precise results.

Our systems are trusted by scientists worldwide, contributing to breakthroughs in top pharmaceutical companies and research institutes.

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