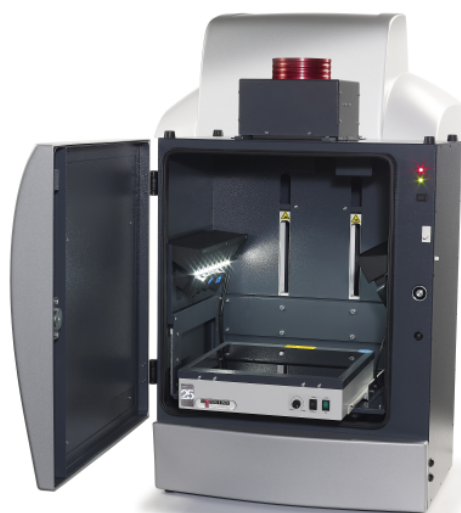


Gel documentation for infrared applications

**New from
Syngene!**

G:BOX Chemi IR⁶



The G:BOX Chemi IR⁶ is a fully configured gel documentation (gel doc) system for infrared (IR) applications. This high specification model easily outperforms laser based systems in terms of capability, and more importantly, at a fraction of the price.

G:BOX Chemi IR⁶ has a 6m pixel cooled CCD camera for superb image quality and a lighting system for the imaging of IR dyes such as LI-COR[®] IRDye[®] 680LT and IRDye[®] 800CW. The system has comparable sensitivity and has a limit of detection (LOD) the same, if not better, than the most popular laser based systems and high resolution to compete at the top end of these laser systems.

Other advantages of the G:BOX Chemi IR⁶ is that, unlike laser-based systems, it can work across a very wide range of applications such as DNA gel staining, blue light applications, Northern/Southern/Western blots, multiplexed Western blots, EMSA/gel shift assay, protein gel staining and many more without the need to change your standard protocols within the laboratory.

The G:BOX Chemi IR⁶ is ideal for chemiluminescence work and with the upgrade to the edge lighting unit, the system can also be used for 2D electrophoresis gels. This is truly a versatile package which would make an ideal workstation for the busy laboratory doing a wide range of applications.

All trademarks acknowledged

Why buy this product?

Perfect for IR applications

- Highly sensitive – this system has high intensity LED modules in both the far red and IR to accurately detect strong and weak signals over a broad linear dynamic range.
- Comparable LOD to other laser based systems.
- Fast imaging acquisition time – images can be captured in around 40 seconds compared to over 3 minutes with the fastest laser based system.

A versatile system

- Image an extensive range of applications – DNA gel staining, protein gel staining, blue light applications, Northern/Southern/Western blots, multiplexing Western blots, EMSA/gel shift assay and many more.
- Retain current laboratory protocols – no need to change any tried and trusted laboratory protocols, unlike laser-based systems which are restricted to just a few applications or specific dyes.

A sensible price

- Cost effective – the G:BOX Chemi IR⁶ is a fraction of the price of a laser-based system and you get a much more versatile system capable of many applications.

Specification

Camera

CCD camera (m pixels)	6.3
Bit depth (grey scales)	16 bit/65,536
Dynamic range	4.8 OD
Cooling	Ultra peltier cooling with forced air for extra long exposures

Lens (motor driven with feedback)

Type	F1.4
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Darkroom

Hinged door	Yes
Safety interlocked	Yes
Built-in white light	Yes

Filter selector

Filter wheel motor driven	Yes with UV filter, FILT 705(M), FILT LY800(M)
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Transilluminator

Size (20cm x 20cm)	Yes, Epi lighting, LED – RED M, LED - IR740M
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Conversion screen

Novaglo	Yes
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Size

Dimensions (cm)	57 x 100 x 52
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