



# GeneGnome XRQ



The GeneGnome XRQ is dedicated to chemiluminescence imaging. The system is built for high performance and automation and features a next generation high quantum efficiency CCD camera for even greater sensitivity. A very simple set-up process means a single click will automatically capture a quality image of any Western blot.

◆ **Optimised – for imaging chemiluminescence Western blots**

- configured for maximum sensitivity to ensure even the faintest band on a blot can be captured

◆ **Sensitive cooled camera**

- the high quantum efficiency cooled CCD camera (73% @ 425nm) is very sensitive to low level light emissions from a blot. The peltier cooled camera has exceptional signal to noise performance resulting in virtually undetectable background noise

◆ **Small footprint**

- GeneGnome XRQ has a very small footprint and takes up minimal bench space



- GeneGnome XRQ is available in three variants:
- GeneGnome XRQ complete with monitor and built-in processor
- GeneGnome XRQ complete with built-in processor but no monitor
- GeneGnome XRQ with no monitor or built-in processor

### Model information

The GeneGnome is a fully automated system with a small footprint and is optimised for highly sensitive imaging of chemiluminescence blots and plates. Built-in epi white LEDs are included so that coloured markers can be imaged. No external PC is required.

The GeneGnome XRQ now features one of our new generation high QE cameras which have exceptional sensitivity for chemiluminescence work.

Images of up to 16m pixels can be generated for publication purposes while the standard 4m pixel output images offer superb quality for all your chemiluminescent blots and plates. The maximum blot size in a GeneGnome is 11 x 8cm. If you have larger blots please look at our G:BOX series.

The camera is cooled and has very low noise so imaging chemiluminescent samples is easy. Using GeneSys makes capturing any sample a simple, automatic process. It is genuinely a one-button process with capture times automatically calculated. Exposure times of many hours are possible and always result in clean, crisp images.

Specification	
Image resolution (pixels m)	4
Effective resolution (pixels m)	16
A/D	16 bit
Greyscales	65536
Quantum efficiency @ 425nm	73%
Cooling regulated (degrees)	-57C
Lens (motor driven)	F0.9 fixed focus
Use with external PC	Option
Epi LED white lights	Yes

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