



Gel Doc XR+ System

BIO-RAD

The **Gel Doc XR+** documentation system is a fast, easy-to-use, high-resolution gel imaging system. Designed for easy use and an ability to support a wide array of applications. It is a flexible system that supports fluorescence and colorimetric detection methods. It is the ideal accompaniment to the PCR and electrophoresis systems, enabling image analysis and documentation of restriction digests, amplified nucleic acids, and genetic fingerprinting. The **Gel Doc XR+** system is controlled by Image Lab software to automatically and reproducibly generate gel images.

- Image Lab software's proprietary algorithms calibrate the system at setup for automatic control of focus at any zoom level and automatic correction of imaging artifacts
- Image Lab software performs flat fielding corrections specifically and consistently for each application
- Image Lab software saves the entire workflow(image capture, results, reports) in a protocol file. The protocols can be edited, resaved, reused and shared among multiple users.

Specification:

CCD Resolution (H x V)	1,360 x 1,024 pixels
Pixel density	12-bit (4,096 gray levels)
Pixel size (H x V)	4.6 x 4.6 μm
Dynamic range	>3 orders of magnitude
Camera cooling system	No
Camera cooling temperature	NA
Motorized zoom lens	C-mount, f./1.2, 8.5 –51 mm
Illumination modes	Trans-UV, white, epi-white
Excitation source	254, 302, 365 nm, and white light
Filter positions	Fluorescence: 2
Emission filters	1 included (amber), 3 optional
Maximum image area	25 x 26 cm
Dynamic flat fielding	No
Software compatibility	Windows, Mac
Dimensions (W x D x H)	60 x 36 x 96 cm
Weight	32 kg

**Now with a new
Image Lab
software**



For more information please contact Alpha Technologies

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ChemiDoc XRS System

BIO-RAD

The Bio-Rad **ChemiDoc XRS System** is Bio-Rad's most advanced imaging system. The system is able to image chemiluminescent, fluorescent and colorimetric samples and comes complete with a compact darkroom, transilluminator and supercooled high resolution 1.44 megapixel CCD camera. The **ChemiDoc XRS system** is extremely flexible and can be used for imaging a diverse range of applications such as Western blotting, DNA/RNA gel electrophoresis, 2-D gel electrophoresis, densitometry, etc. The system is able to detect HRP and AP chemiluminescence, ethidium bromide, SYBR® Green, green fluorescent protein, silver stain and Coomassie brilliant blue staining to name but a few that are frequently used with the above applications. The system features flat fielding technology which allows for superior uniformity and quantification. Flat-fielding is a technique that corrects for pixel-to-pixel variations by dividing the gain variations out of an image, thus flattening the relative response for each pixel.

Specification:

Now with a new Image Lab software

CCD Resolution (H x V)	1,392 x 1,040 pixels
Pixel density	12-bit (4,096 gray levels)
Pixel size (H x V)	6.7 x 6.7 μm
Dynamic range	>3 orders of magnitude
Camera cooling system	Peltier-based
Camera cooling temperature	-45°C
Motorized zoom lens	C-mount, f./1.2, 12 – 75 mm
Illumination modes	Trans-UV, white, epi-white
Excitation source	254, 302, 365 nm, and white light
Filter positions	Fluorescence: 2, chemiluminescence:1
Emission filters	1 included (amber), 4 optional
Maximum image area	25 x 26 cm
Dynamic flat fielding	Yes, CV* \leq 5% (* Coefficient of variance)
Software compatibility	Windows, Mac
Dimensions (W x D x H)	60 x 36 x 96 cm
Weight	32 kg



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