NuGenius / NuGenius+

Easy and safe imaging of DNA and protein gels. Compact darkroom saves time by automating analysis of gels, colony plates and blots. 5 million pixel camera with image quality control (GeneTools analysis software) offers exceptional resolution for high quality images, image enhancements and annotations. Motor driven optics for ease of control. Versatile lighting range - white light, blue light, UV. Intuitive touch screen controls all functions.

Rating: Not Rated Yet
Ask a question about this product

ManufacturerSyngene

Description

Description

NuGenius is a new generation, low cost, integrated system for DNA and protein analysis and gel documentation. The NuGenius features an integrated 7 inch touch screen and a built-in processor running our new dedicated NuGenius software for image capture and editing.

A new ground breaking 5 million pixel CCD camera gives exquisite pixel resolution and unrivalled sensitivity in its class. NuGenius uses an f1.2 motor driven zoom lens to enable perfect imaging of any gel or blot size. The maximum viewing area is 20 x 24cm which is very large for such a small, compact unit.

Internal lighting includes a UV transilluminator option for working with DNA gels. Our new UV-blue light converter screen allows imaging of all Safe dyes. A visible light converter option can quickly extend its use for working with visible gels and blots. Overhead LED white lighting is included as standard for easy sample positioning and focusing.

NuGenius is compatible with "safe dyes" such as SYBR® Gold, SYBR® Safe, GelGreenTM and many more as well as with visible light applications such as Coomassie blue and silver stain gels.

NuGenius+ has been designed for stain free applications. It has a modified camera enabling the user to expose for longer periods of time.

Specifications

Gel imaging at a touch

	NuGenius	NuGenius+
Camera	5 million pixel	5 million pixel
Sensor	1/2.5 inch	2/3 inch
Bit depth	12/16 bit	12/16 bit
Greyscale	65,536	65,536
Dynamic range	3.6/4.8 (extended)	3.6/4.8 (extended)
Lens	8 - 48mm f/1.2	11.5 - 69mm f/1.4
Viewing area	20 x 24cm	20 x 24cm
Illumination		
Slim transilluminator 20 x 24cm	Option	Option
Blue converter screen 21 x 26cm	Option	Option
Visible light converter	Option	Option
White epi	Yes	Yes
7 inch touch screen		
Software		
Image capture	Yes	Yes
GeneTools analysis	Yes	Yes
GeneDirectory	Option	Option
Printer		
	P95DW Mitsubishi digital thermal printer Canon Selphy CP1200	P95DW Mitsubishi digital thermal printer Canon Selphy CP1200
Paper and ink	K65HM thermal paper, matt K91HG thermal paper. glossy Canon KP-1081N	K65HM thermal paper, matt K914HG thermal paper, glossy Canon KP-1081N
Dimensions		
H x W x D cms	75 x 31 x 45	75 x 31 x 45
Weight	24kg	24kg

Applications

Here are some of the applications that can be used with a NuGenius.

- DNA - with a NuGenius you can use the UV transilluminator to capture images of DNA gels stained with Ethidium Bromide.
- AutoRads - the NuGenius 5mp resolution camera is ideal for capturing images requiring high detail. This is especially true when looking for separation between bands and sports. Capturing high quality images of Autorads is one of the strengths of the NuGenius.
- Visible light - with the visible light converter, NuGenius can be used to view gels which have been stained with, eg, 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, eg, "Safe dyes" such as GFP, SYBR(R) Green, SYBR Gold, SYBR Safe, SYPRO Ruby, Safe View and Flamingo.
- Stain free (with NuGenius+) - stain free technology removes extra steps and long delays from staining with dyes such as Coomassie blue. NuGenius+ is capable of capturing stain free images automatically.

Reviews

There are yet no reviews for this product.