

Nu Genius^{XE}

BROCHURE

INTUITIVE

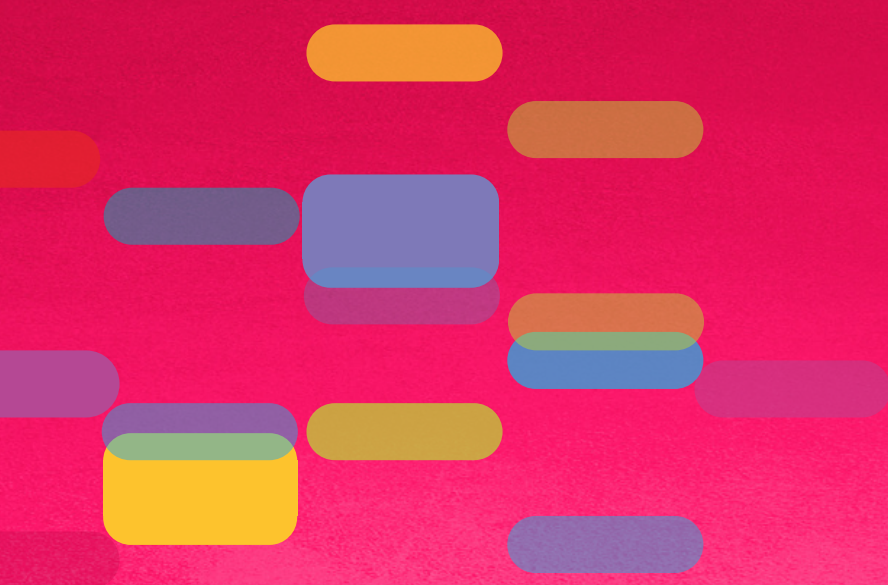
touch screen system

FLEXIBLE

DNA, stain free, autorads analysis

COMPACT

benchtop size with built in PC



GEL IMAGING AT A TOUCH.

Model	NuGeniusXE
Camera	5 million pixel Sensor: 1/2.5 inch Bit Depth: 12/16 bit Greyscale: 0-65,536 Dynamic Range: 3.6/4.8 (extended) Lens: 8-48mm f/1.2 Viewing Area: 20x24cm
PC Specifications	7" Touch Screen 80GB memory Windows 10 Enterprise LTSC 5 USB ports with both USB2 and USB3 options
Software	Image Capture GeneTools Analysis GeneDirectory (optional)
Illumination	White epi Optional: Slim Transilluminator 20x24cm Blue Converter Screen 21x26cm Visible Light Converter
Dimensions (WxHxD) cm	75x31x45
Weight (kg)	20
Power Input (V)	100 - 240

Powerful

A groundbreaking 5m pixel camera gives exquisite pixel resolution and unrivalled sensitivity in its class. NuGeniusXE uses an f/1.2 motor-driven zoom lens to enable perfect gel or blot-size imaging. The maximum viewing area is 20 x 24cm, which is very large for such a small, compact unit.

Flexible

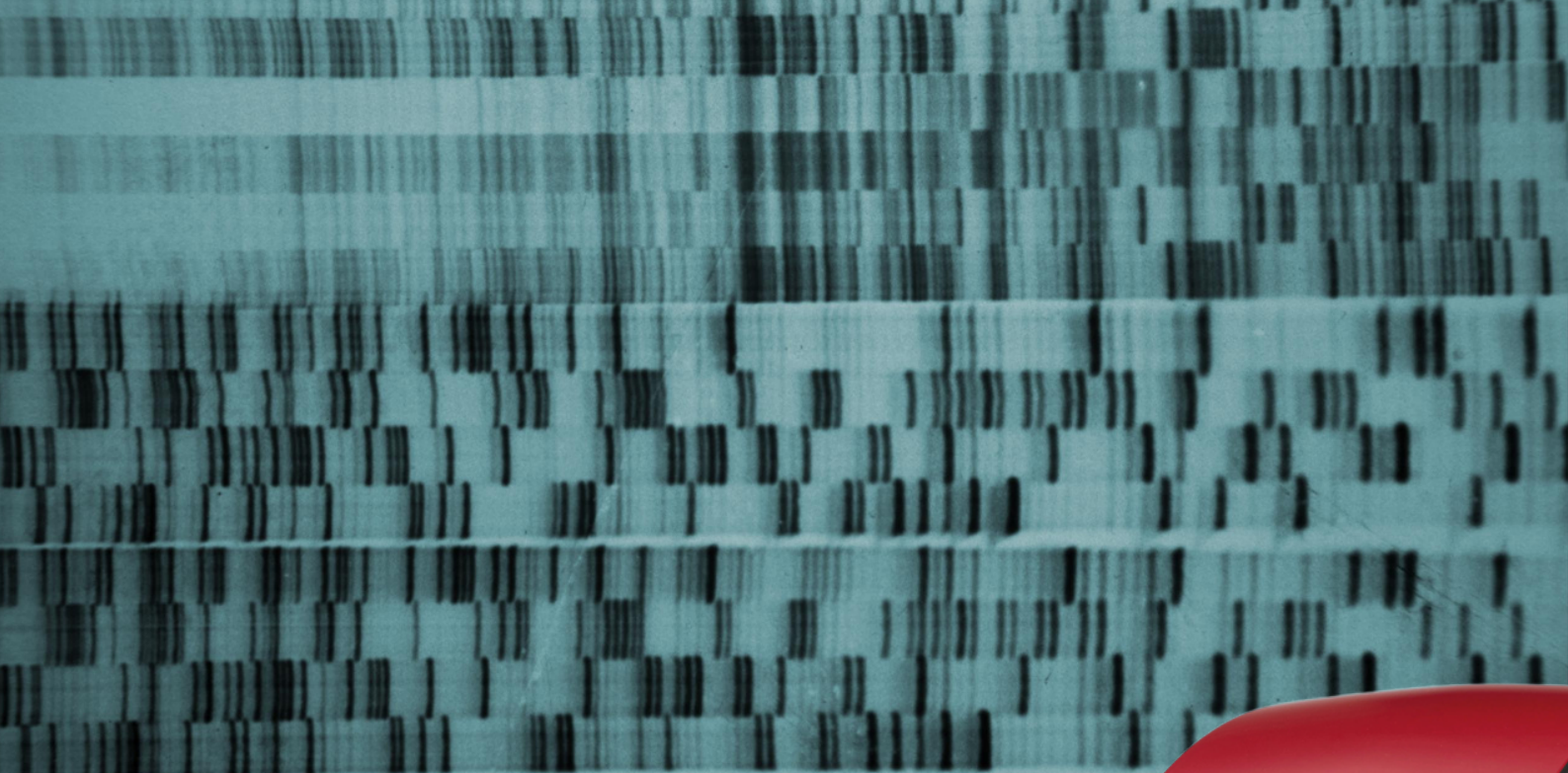
Internal lighting includes a UV transilluminator option for working with DNA gels. Our new UV-Blue light converter screen allows imaging of a wide range of safe dyes, Ethidium Bromide, Coomassie blue and silver stain, stain free and others. A visible light converter option can quickly extend its use for working with visible gels and blots. The overhead LED white lighting is included as standard for easy sample positioning and focusing.

Versatile

The NuGeniusXE has been designed for stain free applications. Its camera enables the sample to be exposed for extended periods. Safely excise your DNA bands from an agarose gel with the darkroom door open using the optional safety shield protecting the user when working with UV.

Intuitive

Images are saved directly to USB or network for easy transfer. Quickly generate quantitative data with GeneTools analysis software. NuGeniusXE comes with unlimited copies of GeneTools.



Camera

5 million pixel resolution

Lens

f/1.2 motor driver zoom lens

Integral Computer

Windows 10 Enterprise LTSC OS with network through LAN port

Touch Screen

7"

Internal Lighting

Internal LED white light for ease of sample positioning

Hinged Door

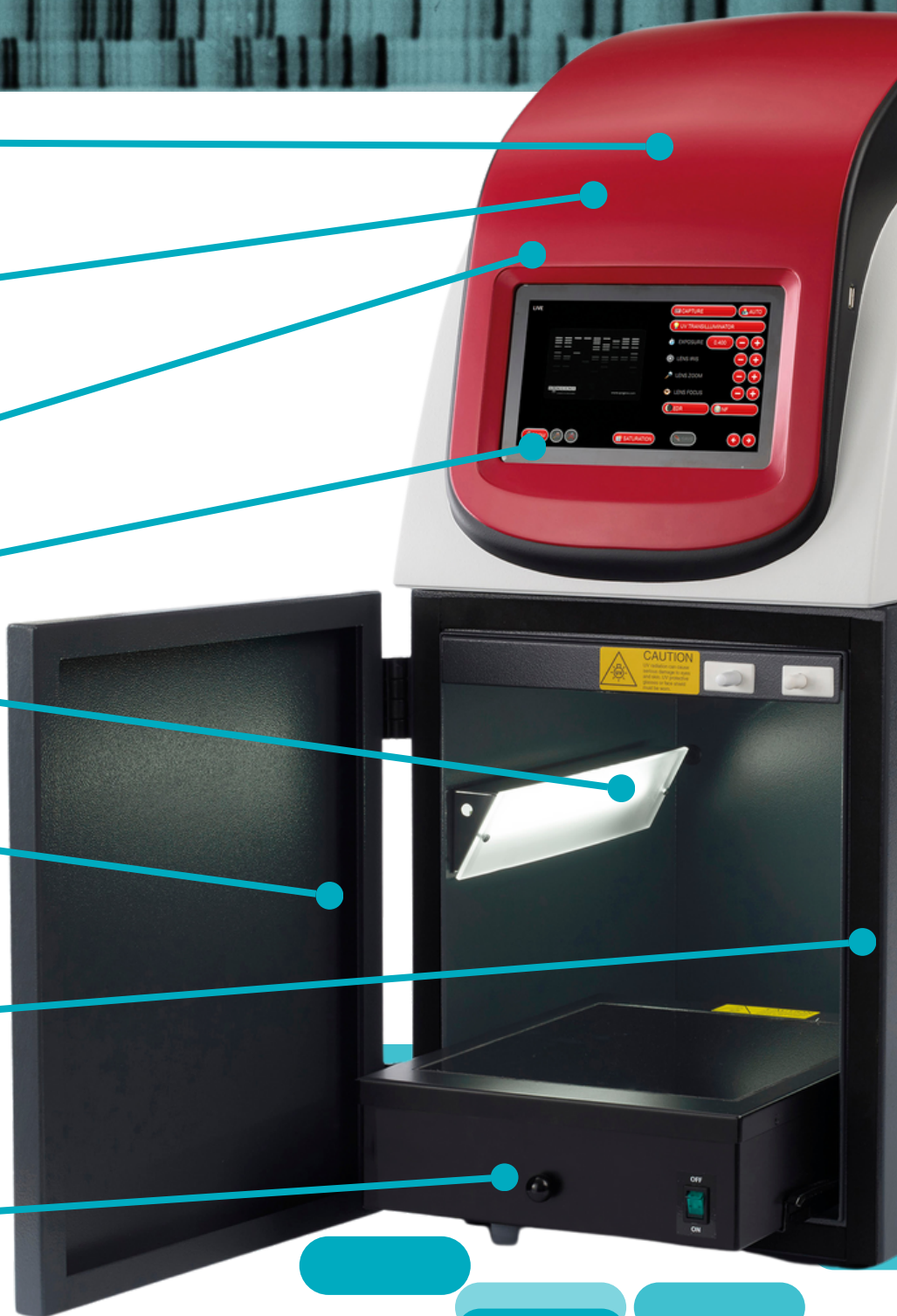
Easy access to the darkroom

Safety Switch

Override UV protects from accidental UV exposure when opening the door.

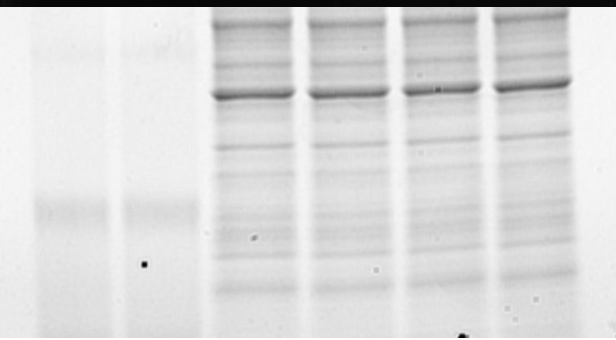
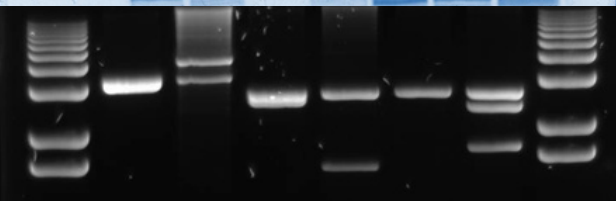
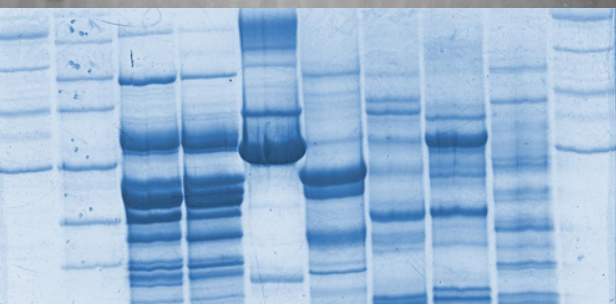
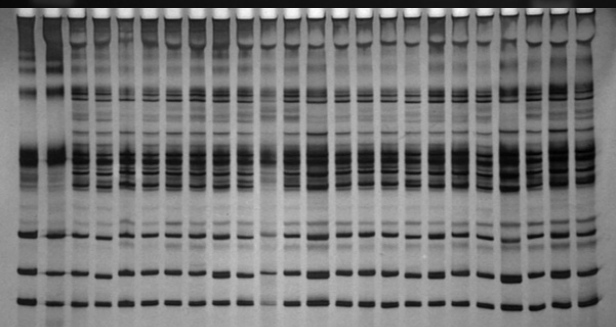
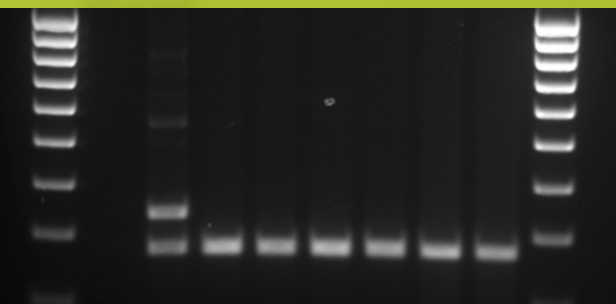
Transilluminator (optional)

UV transilluminator slides in and out with auto shut off. The UV blue light converter screen and UV visible light converter screen.



Applications

These are just some of the applications that can be used with NuGeniusXE. The Syngene Support team is always ready to discuss your application needs and how they can be imaged using NuGeniusXE. Please contact support@syngene.com



DNA

With the NuGeniusXE, you can use the UV transilluminator to capture images of DNA gels stained with Ethidium Bromide.

Autorad Film

The NuGeniusXE features a 5 million pixel resolution camera 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 NuGenius.

Visible Light

With the visible light converter, the NuGeniusXE 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

NuGeniusXE 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.

Benefits



Small footprint takes up minimal laboratory bench space.



Exceptional resolution for high-quality images.



Ease of control with touchscreen technology.



White light, blue light and UV testing options.



Easy and safe imaging of DNA and protein gels.



Save time by automating the analysis of gels, colony plates and colourimetric blots.

Features



Compact darkroom with a hinged door.



5 million pixel camera.



Motor-driven optics.



Options for a range of lighting.



Visible and blue light converter screens.



Built-in touch screen.



Image enhancements and annotations.



GeneTools analysis software.

SYNGENE



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