

g e l o n e - x e



FLEXIBLE DNA

stain free, visible
protein analysis

INTUITIVE touch
screen system

COMPACT

benchtop size
with built in PC



- In built 7" touch screen with intuitive acquisition software
- 5 megapixel camera with excellent low light sensitivity
- Integrated computer dedicated to imaging for efficient acquisition
- f/1.2 motor driven zoom lens
- White LED lighting for sample positioning
- Safety switch prevents accidental UV exposure
- Included 302nm UV transilluminator and imaging filter with a range of options available

A groundbreaking 5m pixel camera gives exquisite pixel resolution and unrivalled sensitivity in its class. gelONE-XE 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.

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.

The gelONE-XE 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.

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



gelONE-XE



APPLICATIONS

- DNA: with gelOne-XE, you can use the UV transilluminator to capture images of DNA gels stained with Ethidium Bromide.
- Autorad Film: featuring 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 gelOne-XE.
- Visible Light: with the visible light converter, gelOne-XE 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: gelOne-XE 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.

TECHNICAL SPECIFICATION

IMAGE RESOLUTION	5MP
BIT DEPTH	12/16 Bit
DYNAMIC RANGE	3.6/4.8 OD
LENS	8-48mm F/1.2
SAMPLE SIZE	20x24cm
SENSOR	1/2.5 INCH
DIMENSIONS (WXWXD)	75x31x45cm
WEIGHT (KG)	20
POWER INPUT (V)	100-240
TOUCH SCREEN SIZE	7"
MEMORY	80GB
OS	WINDOWS 10 ENTERPRISE LTSC
USB	3x USB3, 2x USB2
ILLUMINATION	WHITE EPI

ORDERING INFORMATION

gelONE-XE G el Documentation System with in built touch screen and software (enables stain free gel imaging)

THISTLE SCIENTIFIC LTD

Unit 41, Somers Road Industrial Estate,
Rugby, CV22 7DH
United Kingdom

T_ +44 (0)1788 565300
E_ ENQUIRIES@THISTLESCIENTIFIC.CO.UK
W_ WWW.THISTLESCIENTIFIC.CO.UK