



## MANUAL

manual imaging system allowing complete control

## INTUITIVE

featuring user-friendly image capture software

## COMPACT

benchtop size with a large 20x24cm viewing area

# InGenius

# 5



# InGenius 5

## GEL IMAGING YOUR WAY

### SPECIFICATIONS

Image Resolution	5MP
Bit Depth	12/16 BIT
Dynamic Range	3.6/4.8 OD
Lens	6.5-39 F/1.4
Max Sample Size	20x24cm
Sensor	1/2.5 inch
Dimensions (HxWxD)	78x37x45cm
Weight (kg)	20
Power Input (V)	100-240
Illumination	White led

### Control

With a manual lens, you are in complete control of the lens. You can easily adjust the iris, zoom and focus for perfect images.

### Powerful

Equipped with a groundbreaking 5MP CMOS camera for high resolution and sensitivity. Includes an F/1.4 zoom lens and a generous 20 x 24cm viewing area, perfect for gel imaging.

### Flexible

Offers UV transilluminator options, a UV-Blue light converter screen, and a visible light converter for imaging a variety of dyes, including Ethidium Bromide, SYBR dyes, Coomassie Blue, and silver stain. Optional overhead LED white lighting simplifies sample positioning and focusing.

### Versatile

Designed for stain free applications, the InGenius 5's camera exposes the sample 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

Includes user-friendly image capture software developed in-house. Analyse data efficiently with GeneTools software, which comes with unlimited licenses.

## What you need to know

### BENEFITS

Small footprint for minimal bench space usage.

Exceptional resolution for high-quality imaging.

Full manual lens control for precision adjustments.

White light, blue light and UV testing options.

Safe and easy imaging of DNA and protein gels.

Automated analysis of gels, colony plates, and colorimetric blots.

### FEATURES

Compact darkroom with a hinged door.

5MP camera for high-resolution imaging.

Multiple lighting options, including visible and blue light converter screens.

Advanced image enhancement and annotation tools.

Intuitive image capture software.

GeneTools analysis software.

### SCHEMATIC

#### Camera

5 million pixel resolution

#### Lens

F/1.4 motor driver zoom lens

#### Safety Switch

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

#### Hinged Door

Easy access to the darkroom

#### Internal Lighting

Internal LED white light for ease of sample positioning

#### Transilluminator (optional)

UV transilluminator slides in and out with auto shut off. With a choice of UV blue light converter screen and UV visible light converter screen.



# Applications

These are just some applications that can be used with InGenius 5.

Don't see your application here? Contact our team at [support@syngene.com](mailto:support@syngene.com) to discuss your specific needs.

DNA Gels	YES
Protein Gels	YES
Fluorescence	YES
Chemiluminescence	NO
Image Capture Software	YES
Analysis Software	YES



### DNA

Capture images of DNA gels stained with Ethidium Bromide using the UV transilluminator.



### Autorad Film

Ideal for high-resolution imaging of Autorads, with superb detail and band separation.



### Visible Light

Perfect for viewing gels stained with Coomassie Blue or silver stain, as well as tissues, slides, and films.



### Blue Light

Use the blue light conversion screen for safe dye applications, including GFP, SYBR®Green, SYBR Gold, SYBR Safe, SYPRO Ruby, Safe View, and Flamingo.



### Stain Free

Automatically capture images of stain free gels, eliminating time-consuming staining steps



## Why Syngene?

# A World-Leading supplier of Gel Doc, Chemiluminescence and Fluorescence imaging

### About Syngene

Since 1997, Syngene has been a global leader in gel doc systems, enabling rapid imaging and accurate analysis of visible gels, fluorescence westerns, stain free gels, and chemiluminescent blots.

At Syngene, we're committed to advancing Life Sciences, Molecular Biology, Genomics, and Proteomics with cutting-edge imaging technology. Our products are designed to meet the highest regulatory and accreditation standards, ensuring precise results.

Our systems are trusted by scientists worldwide, contributing to breakthroughs in top pharmaceutical companies and research institutes.



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