

# Integrated Automatic Gel Imaging System

## OVER VIEW

Automatic gel imaging system is a device for analyzing and recording the results of gel electrophoresis. It is widely used in molecular biology, biochemistry and genetics. Its main functions include high-resolution imaging, color reproduction and intelligent analysis, which can clearly show the subtle differences in gel experiments and help researchers accurately analyze experimental results.



## Applications:

Nucleic acid detection with various fluorescent dyes such as EB, SYBR Gold, SYBR Green, SYBR Safe, Gel Red Gel, Green Texas Red, Fluorescein labeled DNA/RNA, etc.



DNA gel imaging



PAGE gel imaging



Thin layer chromatography



Colony count

## Standard Features

1. Camera lens, adopt dark field camera module. Super aperture 20 million solutions analyticity.
2. Touch system 12.5 inches touch HD display, one touch imaging, intelligent processing system.
3. Special filter, multilayer coated filter is adopted passing of absolute stray light.
4. Standard of USB port.

5. High-pixel images ensure that fine details are captured in gel electrophoresis and bioanalytical experiments.

6. Cryogenic cooling system is advantageous for detection of low-intensity signals. High photographic efficiency makes the system more sensitive to imaging in low-light conditions, helping to detect low-concentration samples.

7. A wide range of exposure times makes it suitable for different experiments, including fast gel electrophoresis and long-duration experiments.

8. High dynamic range helps to accurately capture the difference between strong and weak signals, improving data accuracy and reliability.

9. The LED cool light reflection system helps reduce heat generation, making imaging results more reliable.

## Technical Parameter

Model	BK-AGX3
Camera Resolution	6.0MP
Photosensitive Efficiency	≥79%
Exposure Time	1ms~5000ms
Pixel Density	16 Bits(0~65535)
OD	≥4.8OD
Lens	Large aperture autofocus lens, 20million auto focus lens
UV Transmission	302nm, optional other transmitted blue light
White Light Reflection	LED reflection(cold light)
White Light Transmission	White light emitting panel
Filter	Standard 590nm, other optional
Shooting Area	21*21cm
Timer Shut Down	1~60min
Touch System	12.5-inch touch system
Power Supply	110~240V, 50/60Hz
Packing Size	450*462*666mm
Gross Weight	22.3kg

### Packaging & Delivery

Package Size 47.00cm \* 46.00cm \* 67.00cm

Package Gross Weight 21.000kg



Dealer Details

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