

Automatic Gel Imaging System



Integrated Automatic Gel Imaging System

Model: MSCLBHY4SWISS

Applications

This advanced imaging system is designed for nucleic acid detection using a variety of fluorescent dyes, including:

- Ethidium Bromide (EB)
- SYBR Gold, SYBR Green, and SYBR Safe
- GelRed, GelGreen
- Texas Red
- Fluorescein-labeled DNA/RNA

Features

1. High-Performance Camera Lens:

- Equipped with a dark field camera module featuring **F 1.0 super aperture**.
- 20-megapixel resolution ensures precise imaging and analytic capabilities.

2. Touchscreen System:

- Large **12.5-inch HD touch display** for one-touch imaging and intelligent image processing.

3. Specialized Filter:

- Utilizes multilayer-coated filters designed for **absolute stray light suppression**, enhancing imaging clarity.

Technical Parameters

Parameter	Specification
Model	MSCLBHY4SWISS
Camera Resolution	6.0 MP
Photosensitive Efficiency	79%
Exposure Time	1 ms - 5000 ms
Pixel Density	16 Bits (0-65535)
Optical Density (OD)	4.8 OD
Lens	Large aperture autofocus lens F=1:1.2 , 20 MP
UV Transmission	302 nm (optional transmitted blue light available)
White Light Reflection	LED reflection (cold light)
White Light Transmission	White light conversion sample board
Filter	Standard 590 nm, optional filters available
Shooting Area	21 × 21 cm
Timer Shut Down	1-60 min
Touch System	12.5-inch touchscreen
Power Supply	110-240V, 50/60 Hz
Packing Size	453 × 461 × 669 mm
Gross Weight	22.9 kg

The **MSCLBHY4SWISS Integrated Automatic Gel Imaging System** is a versatile and efficient solution for laboratories needing high-resolution imaging for nucleic acid detection. Its advanced features and ergonomic design enhance productivity and imaging accuracy.