Touch Screen Gel Imaging System, 6.3 MP Camera, 20 MP Autofocus Lens, UV 302 nm, 21 x 21 cm Area

Model **MSGEP-GDX3TSWISS** | Brand **Master Science**





The Master Science Touch Screen Gel Imaging System captures images of nucleic acid and protein gels in a compact, fully automatic cabinet. A fast-focusing high-resolution CCD camera with 6.3 million pixels and quantum efficiency above 80% works with a 20-megapixel autofocus lens and multi-layer coated filters for low-noise, high-sensitivity results.

KEY HIGHLIGHTS

- Simple operation
- Sharp images
- High sensitivity
- Flexible lighting

AT A GLANCE

≥ 4.8 orders of magnitude
DYNAMIC RANGE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

The 13.3-inch touch control system puts the capture button and exposure time on the main screen, so no manual adjustment is needed. Illumination includes 302 nm UV transmission, two-sided LED white reflection and an LED white light sample plate over a 21 x 21 cm imaging area.

> Compare it with our Automatic Gel Imaging System when choosing between models like the Touch Screen Gel Imaging System.

Overview

- High-resolution CCD camera, 6.3 MP
- 20 MP autofocus lens
- Multi-layer coated filters, 590 nm standard
- 16-bit images, ≥ 4.8 orders of dynamic range

Key Benefits

Simple operation
Capture button and exposure time shown on the main screen.

Sharp images
20 MP autofocus lens with coated filters.

High sensitivity
Quantum efficiency above 80% with low noise.

Flexible lighting
UV, reflected white and transmitted white light.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSGEP-GDX3TSWISS
SKU	MSGEP-GDX3TSWISS
Camera Resolution	6.3 MP
Exposure Time	1-5000 ms
Quantum Efficiency	> 80%
Binning	1 x 1
Lens	20 MP motorised autofocus lens
Dynamic Range	**≥ 4.8 orders of magnitude**
UV Transmission	302 nm (blue light transillumination optional)
White Light Reflection	Two-sided LED (cold light)
White Light Transmission	LED white light sample plate
Filter	590 nm standard (others optional)
Imaging Area	21 x 21 cm
Auto Shut-Off Timer	1-60 min
Control	13.3-inch touch control system

DIMENSIONS & WEIGHT

Image Depth	16-bit (0-65535)
Dimensions	360 x 362 x 566 mm
Net / Gross Weight	19.5 / 22.3 kg
Shipping Dimensions	450 x 462 x 666 mm

GEL DOCUMENTATION PROBLEMS IT SOLVES

Blurry or poorly focused images	Autofocus lens adjusts automatically.
Faint bands are hard to see	High-QE camera with 16-bit depth.
Complicated imaging software	Main-screen capture button and exposure control.
UV left on by mistake	Timed shut-off from 1 to 60 minutes.

Applications

The Touch Screen Gel Imaging System is used for
DNA and RNA agarose gel documentation Protein gel imaging PCR product checks Molecular biology teaching and research

Illumination

- 302 nm UV transmission
- Optional blue light transillumination
- Two-sided LED white reflection
- LED white light sample plate

Control

- Fully automatic, integrated design
- 13.3-inch touch control system
- Auto shut-off timer 1-60 min

Optional Accessories

- Blue light transillumination
- Additional filters