

Gel-Imaging-System - Essential V6

Description

Compact and high-end gel documentation system for DNA, RNA and protein gel images with ultimate 16-bit imaging.

Ideal for laboratory image acquisition, editing and accurate quantitative protein analysis.

Order number: 115.1800

Applications

- DNA/RNA gels
- Ethidium Bromide & safe stains: GelRed, GelGreen, Midori, Emerald, SYBR Green I/II, SYBR Safe/Gold, Bodipty, DAPI, Sypro Ruby... .
- Colorimetric stained protein gels. Coomassie, Cooper, Silver, Ponceau S Red... .
- Stain-free enabled, with live-acquisition mode.
- Visible imaging; colony dish, X-ray films... .

Benefits

- Fully-automated system
- On-click® image acquisition process
- D'tech® darkroom concept:
 - 100% stainless-steel made
 - Full door aperture & darkroom access
 - Fully slide-out transilluminator
- 3D-visualization® & live-3D® acquisition mode
- Patented technology Uvipure®

Darkroom

- Stainless-steel made for extreme robustness
- Longlasting chemical-resistant Epoxy paint
- Fully plug-and-play: power & USB cables only
- Filter-wheel-free: cover all your gel imaging applications with one single filter – F-590 included
- Full door aperture for easy darkroom access
- Fully slide-out built-in transilluminator
- Uvipure® patented technology available
- 100% software-controlled darkroom & exposure
- One-click® image acquisition process
- Inclusive Transilluminator: 20M: 312nm, 20x20cm

Camera

- 3 MP native resolution (6 MP interpolated)
- 16-Bit
- 65.535 shades of grey
- > 4,0 OD dynamic range
- 20 x 20 cm field of view
- Passive cooling system for reduced background
- High-speed USB technology for faster capture



Essential V6, Software

Illuminations

Default

- Epi-white LED panels

Optional

- Trans white or blue light (conversion screens)
- Large choice of up to 17 emission filters

Software

- UVITEC-1D® license-free software included:
 - Unlimited users & computer installations
 - Default and fully-customizable protocols
 - Acquisition modes: Auto, Manual, Preview
 - 3D visualization and live-3D® acquisition modes
- Numerous image enhancement tools: text, crop, rotate, background subtraction, artifact corrections...
- Unlimited analysis: quantification/normalization, MW, distance calculation/R&F, colony counting.

Dimensions/Weight

585 x 380 x 475 mm (H x W x D)

Weight: 36 kg (30 kg without pad)