



Chemiluminescence imaging system LD-LCIS-A11

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Overview

Chemiluminescence imaging system is based on chemiluminescence, offers exceptionally high sensitivity and dynamic range. This system is able to detect far weaker signals, offers higher sensitivity and wider linear range. It has 16-bit cooled CCD camera which reduces the background noise during long exposure time. This system offers precise automatic exposure, facilities to crop, rotate and counter colour process for the images obtained.

Features:

- Digital touch screen display for easy and quick operations
- Convenient image navigation and browsing
- Optional attachment of different fluorescent light sources and filters
- Automatic pixel binning technology
- Marker image capture and composition with objective bands

Applications:

It has applications in genetic engineering, biotechnology, molecular biology for the obtaining high quality images of DNA/RNA bands using various fluorescent dyes, western blotting and for protein detection, ELISA plate reading etc.

Specifications:

A/D	16 bit
lens	F0.95 motorized lens
Filter	590 nm
Pixels	2750 × 2200, 4.54 × 4.54 um
Display	10 inch digital display screen
Storage	64 GB SSD
CCD size	12.49 mm × 9.99 mm
Software	Image acquisition and analysis software
Grayscale	65536
Filter wheel	Motorized wheel with 5 sockets
Light source	Blue LED light transmission
Epi-LED white	Yes
Quantum efficiency	> 75 %
Cooling temperature	-25 °C