



## **Chemiluminescence imaging system LD-LCIS-A11**

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# Chemiluminescence imaging system LD-LCIS-A11

## 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:

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