



# An advanced model of our reliable high-sensitivity chemi/bioluminescence detector

*The latest addition to the compact LAS series realizes fluorescence detection and digitizing.*

By adopting a newly developed camera, the new analyzer offers enhanced performance while retaining the high sensitivity and high resolution of the former model. A wide array of options is available.

In addition to chemi/bioluminescence detection, the analyzer can perform a wide range of fluorescence detection by a blue LED epi-illuminator and UV trans-illuminator as well as digitizing by a white epi-illuminator. Digital imaging dispenses with dark rooms, films and chemicals. A simple multi-imaging system requiring no special expertise is now added to the line-up.

## Remote control from a computer

The focus and diaphragm can be directly controlled from a computer. Together with prefocusing achieved by selecting the tray step, it realizes high-speed focusing. The system enables quick and easy setting of parameters and also supports USB2.0 for rapid data transfer.

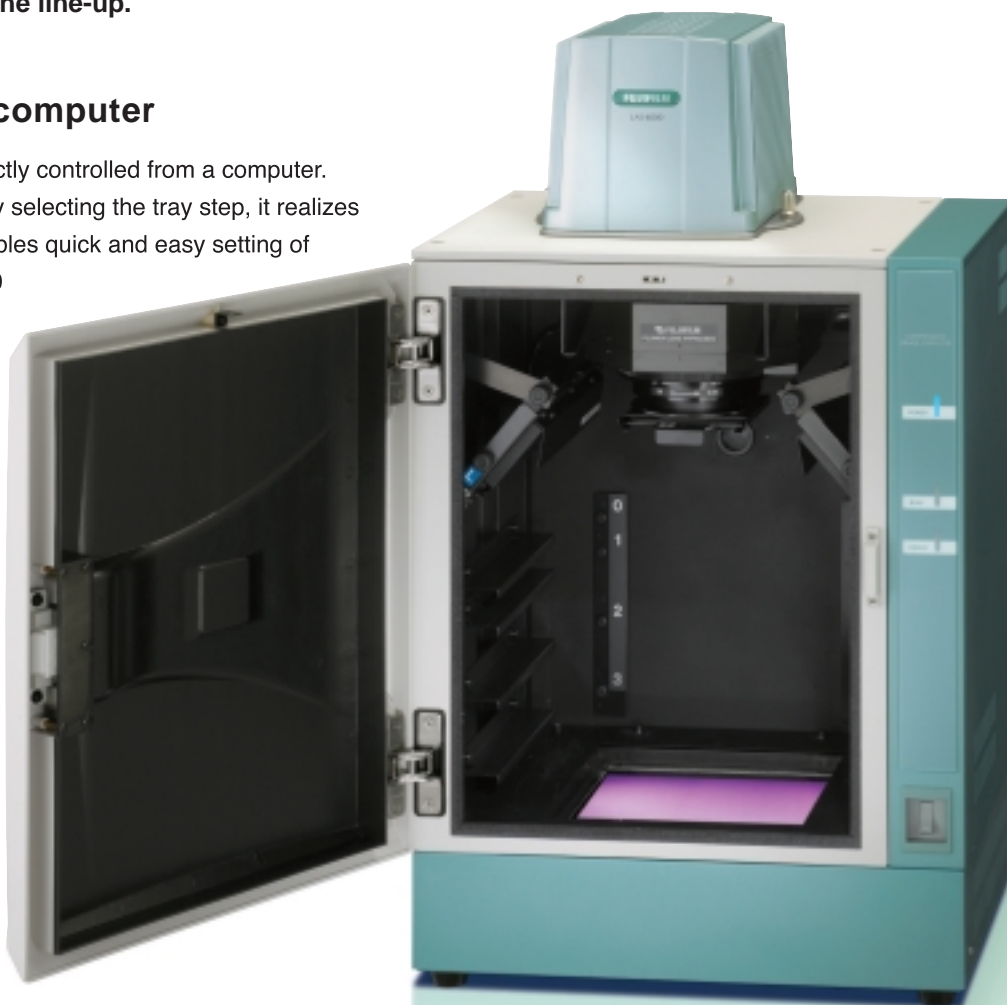
## Easy filter exchange

A filter attachment mounted below the lens area enables easy filter changing.



## All-in-one compact body

The control box is integrated into the main unit. The compact body can be easily placed on top of a desk.



## Large-aperture F0.85 lens

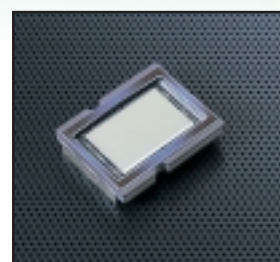
The analyzer incorporates a FUJINON, a strikingly bright lens with an F-number of 0.85. This lens has been especially designed to make full use of the advantages of Fujifilm's proprietary Super CCD chip, and is excellent for capturing images from distances as short as several tens of centimeters. In its design, optical expertise developed through professional applications such as broadcasting TV cameras is fully exploited.



FUJINON LENS VRF43LMD II F0.85

## Up to 6.3-megapixel CCD

The same grade of camera and lens as in LAS-4000, the highest-grade model of the LAS series, are used. By limiting the applications to the specific areas of chemiluminescence and bioluminescence, a compact body is made possible while still retaining the high resolution and high performance of LAS-4000. Free from the necessity for dark rooms and chemicals, the analyzer can be placed on the top or side of an ordinary desk, and requires no special expertise for operation.



Super CCD chip

Luminescence Detection

Fluorescence Detection

Digitizing/Colorimetric Detection

Expandable into a multi-imaging system capable of luminescence detection, fluorescence detection and digitizing. A wide array of applicable reagents covers various applications.

**Model variations** — Examples of optional set combinations and performance capability

BASIC MODEL	WITH UV Illuminator	WITH Light Source (Blue, White)	WITH UV Illuminator & Light Source (Blue, White)
Chemiluminescence/Bioluminescence	Chemiluminescence/Bioluminescence Fluorescence/trans-UV	Chemiluminescence/Bioluminescence Fluorescence/Blue epi-illumination Digitizing/White epi-illumination	Chemiluminescence/Bioluminescence Fluorescence/trans-UV Fluorescence/Blue epi-illumination Digitizing/White epi-illumination

**Applicable reagents**

**Chemiluminescence/Bioluminescence**

- ECL™
- ECL Plus™
- ECL Advance™
- Lumi-Light Plus
- SuperSignal®
- CDP-Star®
- CSPD®
- Renaissance™
- Bright-Star™
- Luciferase

**Fluorescence/Blue epi-illumination**

- SYBR® Green I
- SYBR® Green II
- SYBR® Gold
- SYPRO® Ruby
- SYPRO® Orange
- SYPRO® Tangerine
- FITC
- FAM™
- AttoPhos™

\*excited by the Blue LED epi-illuminator

**Fluorescence/trans-UV**

- Ethidium Bromide

\*excited by the UV transilluminator

**Digitizing/White epi-illumination**

- NBT/BCIP
- Silver Staining
- CBB

\*captured by the White LED epi-illuminator

**Overlapping of luminescent image and digitized image**

**LAS-4000mini with Light Source**

The model equipped with a white LED epi-illuminator and digitizing function comes with software enabling overlapping of the chemiluminescent image and the digitized image for analysis.

