

# Odyssey XF Imager

## Drive Your Research and Capture the Essentials with XF

The Odyssey XF Imager is a robust NIR and chemiluminescent imager that provides enhanced detection for Western blots and gels. Combining the essential assays into a single imager, the Odyssey XF Imager takes consistent and low-background images every time.



## Create a Solid Research Foundation

The Odyssey XF Imager lays the groundwork for credible research by taking precise, high-integrity images. By gathering all the vital components of separate NIR and chemiluminescent imagers into one unit, the Odyssey XF Imager is ready to be used by researchers of all experience levels.

- Images NIR and chemiluminescent membranes and protein and DNA gels
- Covers fundamental imaging needs for most labs
- Multiplexes with over six logs of dynamic range for high sensitivity

## Accurately Image without Artificial Software Enhancements

Other digital imagers take images that need to be corrected or manipulated in post-processing—using tactics such as binning, flat fielding, and image stacking—which can lead to inaccurate and irreproducible results. The Odyssey XF Imager's patented optics deliver images that are uniform and have low background, eliminating the need for image manipulation and safeguarding against these tactics' errors.

## Odyssey XF Imager Key Specifications

### Optical System

#### Image Area:

12 cm W × 10 cm D (4.7" W × 3.9" D)

#### Imaging Tray (Internal Dimensions):

12 cm W × 14 cm D (4.7" W × 5.5" D)

#### Pixel Resolution:

125 µm

#### Dynamic Range\*:

>6 logs

#### Detectors:

Low-noise CCD, thermoelectrically cooled

CCD pixel size: 6.45 µm

#### Laser Lifetime:

20,000 hours of operation

Class 1 Laser Product

#### Light Sources: 525 nm LED

##### **700 Channel Laser Source**

Solid-state diode laser at 685 nm

##### **800 Channel Laser Source**

Solid-state diode laser at 785 nm

#### Patented FieldBrite™ XT<sup>2</sup> Technology

CV <3% across field

### Size and Weight

#### Dimensions (Instrument Only):

41.4 cm W × 47 cm D × 67.3 cm H

(16.3" W × 18.5" D × 26.5" H)

#### **Depth with imaging drawer open:**

59.7 cm (23.5")

#### Weight: 27 kg (60 lbs)

### Software Specifications

#### LI-COR Acquisition Software

##### **Operating System**

Windows 10 (64 bit)

##### **Memory**

Minimum 16 GB

##### **Hard Drive**

Solid state

#### Empiria Studio Software

##### **Operating System**

Windows 10 (64 bit)

Mac OS Mojave or Catalina

##### **Memory**

Minimum 8 GB

*\*This dynamic range is obtained in a single acquisition.*

*Specifications subject to change without notice.*

Learn more about the Odyssey XF Imager at [licor.com/bio/odyssey-xf](http://licor.com/bio/odyssey-xf)