



## Chemiluminescence & Fluorescence Alliance IRIS

The new Alliance IRIS is the latest generation top end imaging system on the market for chemiluminescence and fluorescence Western blots. IRIS not only presents the highest optical sensitivity with an aperture of f/0.75 but also strong innovative features including our revolutionary software and Chromascan concept.

**Dims** > Height: 672 mm - Width: 442 mm - Depth 544 mm

**Weight** > 53 Kg

**FOV** > 20 x 24 cm

### Practicality

- ▶ **1-click to image** > effortless acquisition, in no time
- ▶ **Full automation** > hands-off, automated routines
- ▶ **Interchangeable Tables** > hassle-free sample positioning
- ▶ **Innovative software** > revolutionized acquisition and analysis

### Detection capabilities

- ▶ **Chromascan concept** > homogeneous fluorescent excitation light
- ▶ **Uvipure technology** > enhanced UV for EtBr and all safe stains
- ▶ **Confocal discs** > precise signal wavelength capture
- ▶ **Multiplexing** > imaging of several proteins

### Imaging

- ▶ **Up to 30 megapixels** > 9.2 MP native camera resolution
- ▶ **f/0.75 custom lens** > unrivalled camera sensitivity
- ▶ **3 stages Peltier Cooling** > reduction of background noise
- ▶ **OD 4.8 dynamic range** > outstanding weak/strong detection ratio

### Design

- ▶ **PC-Based system** > easy connection to your own device
- ▶ **Wide door opening** > easy access to darkroom
- ▶ **Sustainable UV** > UV LED 312nm
- ▶ **Robustness** > stainless steel and epoxy paint

▶ <b>Chemiluminescence</b>	Western blotting
▶ <b>Fluorescence</b>	(Optional) DNA and RNA gels with fluorescent stains
▶ <b>Epi Fluorescence</b>	(Optional) Selection of NIR/RGB modules from 12 combinations available
▶ <b>Bioluminescence</b>	In-vivo Luciferase and Fluorescence
▶ <b>Visible Imaging</b>	Optional Colorimetry and Protein gels

Please be aware that the technical specifications of all our UVitec products might change depending on your country. Moreover UVitec systems may be used in a wide range of imaging applications for research use only. No license under any third-party patent is conveyed with the purchase or transfer of this product. No right under any other patent claim, no right to perform any patented method, and no right to perform commercial services of any kind, including without limitation, reporting the results of purchaser's activities for a fee or other commercial consideration, is conveyed expressly, by implication, or by estoppel. Therefore, users of all our UVitec products should seek legal advice to determine whether they require a license under one or more of the existing patents in their country. Our products are not intended for sale or transfer in the United States and Canada.

Chemiluminescence & Epi Fluorescence

# Alliance IRIS●

1953 | Cambridge University | J. Watson and F. Crick discover the DNA double helix structure based on Rosalind Franklin famous "Photograph 51". This breakthrough not only unveiled the secrets of genetic information; it also brought certainty on the very essence of life itself. Today, following in the footsteps of these great scientists, we embark on a journey to provide you certainty by guaranteeing quality images with **IRIS**.

*"Nothing in life is to be feared,  
it is only to be understood."*

Marie Curie (1867-1934)

## ● Innovative

In the spirit of sustainable environment, Uvitec Cambridge is the first to introduce a UV-LED technology at 312nm to ensure a smooth transition from our traditional UV transilluminators. IRIS is simply **innovative**.

## ● Reliable

Our Chromascan combines the power of LED illumination with the **reliability** of a scan-like system. Our new innovative technology offers both homogeneous illumination, with a uniform scan of your entire sample, and unmatched flexibility. IRIS is fully customizable with a choice of up to 12 Chromascan packs.



## ● Sensitive

IRIS is the most **sensitive** imager. Delve into a world of proprietary optics, offering unmatched resolution. IRIS detects your weakest signals thanks to deep camera cooling and f/0.75 lens aperture: smaller the number, more light your device collects. IRIS leaves no room for uncertainties.

## ● Intelligent

IRIS integrates DeepEye, a brand new **intelligent** software which automatically detects lanes, bands and molecular markers - reducing the time needed for manual adjustments. The integrity of your raw experimental data is maintained.

*Make It Visible*