

Academic LBIC

infiniPV ApS offers a broad range of LBIC systems, from the very large (square meter sized imaging areas) industrial LBIC to our professional series that allows careful analysis over 300 x 300 mm² with multiple wavelengths, contactless imaging, EQE mapping and light biasing. With the Academic LBIC we now have a system available at low budget that packs the same power as our industrial line with a small imaging area. The Academic LBIC offers fast imaging of single junctions and modules over an area of 50 x 50 mm². The scanning area can be extended up to 100 x 85 mm².



Its compact size means that it is easy to ship and install in any laboratory environment and allows you to carefully image the active areas of newly printed solar cells or LEDs (through reverse action of the LED). You establish the exact active area for accurate power conversion efficiency calculations, image defects that might stem from your printing method or impurities in your process and degradation pathways. Often even small barriers to charge carrier transport is directly visible in the LBIC images and it is an indispensable tool in any upscaling or device development. The academic LBIC is offered at a very competitive budget.

Common to all the products in the infinityPV academic research laboratory line is that they have a small foot-print and present an open platform that is easily adaptable to all the great experiments that have not been carried out yet. You can fit them almost everywhere in the lab, in the fume cupboard, on the bench and in the glovebox.

Key highlights:

infiniPV Academic LBIC is unique on several fronts:

- Simple sample mounting
- 450 nm laser wavelength
- Safe operation
- Working area of 50 x 50 mm² or 85 x 100 mm²
- Free software for PC control
- Low laboratory footprint that easily fits in a glovebox.
- Operates from a single phase 110-240VAC 50/60Hz power supply
- Fully CE-approved and compliant
- Turn-key system



Service and support:

We offer service using phone or skype on a 24/7 basis and we guarantee shipping of spare parts to Europe, US and RoW within 2-5 working days (islands and remote areas excluded).