



SET YOURSELF FREE



HumanEyes LensFree™ for backlit applications  
Print lenticular effects directly on glass or acrylic

# HumanEyes LensFree™ for backlit applications

## No lenticular lens required, no lead time to get your lens!

HumanEyes LensFree™ is an additional module within the HumanEyes Producer3D lenticular end-to-end solution allowing printers to create stunning backlit applications – totally lens free!

### How does HumanEyes LensFree™ work?

HumanEyes LensFree™ lets you print an optical barrier directly onto one side of a clear substrate such as a piece of acrylic or glass, and reverse print the interlaced file on the second side. The ideal workflow uses a digital printer with a flatbed press and UV-curable inks. The final product provides lenticular-style illusions without the lenticular substrates.

HumanEyes LensFree™ not only replaces the need for a lenticular substrate – it also allows printers to create lenticular projects in any LPI (Lenticles Per Inch) they choose (to exactly support the unique parameters of each and any project) – as the barrier can effectively be any LPI.

### Which applications can HumanEyes LensFree™ be used for?

HumanEyes LensFree™ allows for unique backlit applications that are both easy to produce and deploy as well as unique and crowd pleasing. Digital printers utilizing a flatbed press with UV curable inks can take advantage of what HumanEyes LensFree™ has to offer them. Some possible applications are POP displays, in-store decoration, vending machines and backlit display commonly found in public transportation (mainly railway and underground stations, and airport advertising panels) fast food restaurant menus, interior decoration, etc...

### What are the advantages of HumanEyes LensFree™ technology?

- Immediate ROI, with reduced printing costs for lenticular applications.
- Eliminate the need for a large inventory of lenticular lenses at various LPI.
- Quickly create precise, crisp effects for backlit applications.
- Enhanced effects deliver a longer viewing distance than standard lenticular.

### Basic workflow

1. Create LensFree™ media (the optical barrier). This is done automatically by the software once you determine your optimal viewing angle – the optical barrier is created and ready for printing.
2. Print the optical barrier on one face of the translucent substrate.
3. Perform optical pitch test.
4. Interlace and print on the other face of the substrate.



The optical barrier created by the software



**WITH HUMANEYES LENSFREE™  
YOU CAN SET YOURSELF FREE!**