



Floating Image

Wonderful time with
Floating image in the air

Clear image

Simple configuration

Unlimited possibilities for Floating Image!

Clear image by high quality optical lens.

3D lenses that produce aerial images are made up of special lens in which many micron-sized fine lenses are integrated. By using a transmission lens, a clear floating image with less distortion has been realized.

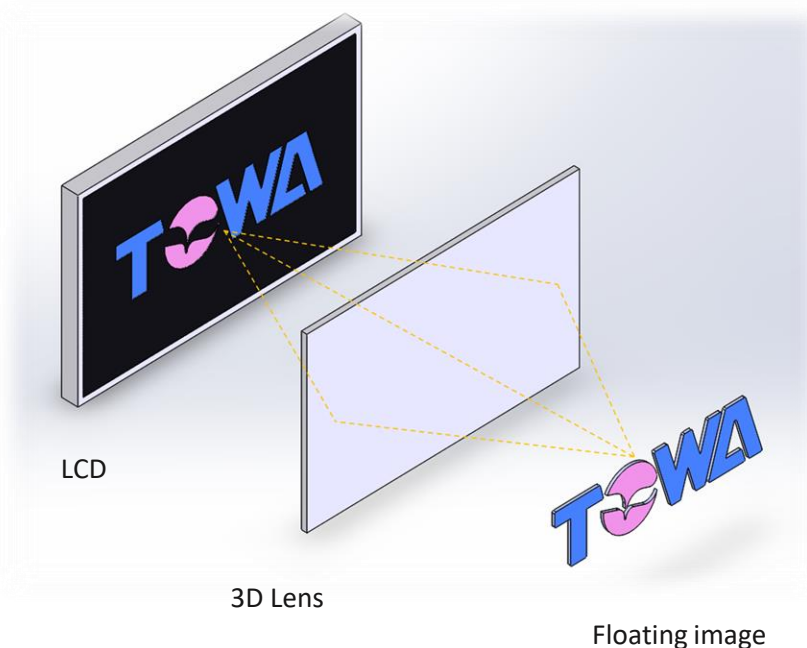
This resin lens is made by the mold using TOWA's nano-processing technology, and it is manufactured in our injection molding factory (under clean room condition) in Japan.

Enjoy 3D floating image without 3D glasses.

The displayed image is collected by the 3D lens, focused and imaged in the space you are looking at. This floating image is a real image created in the air, therefore the viewer can enjoy viewing the image with less fatigue with the naked eye. In addition, it can be viewed from anywhere within the viewing angle range.

Simple configuration and lightweight lens.

Just by placing this 3D lens in front of the display (tablet, smartphone, etc.), you can create a floating image easily. It is so simple configuration and lightweight lens, that we can expect various application.



**Pop out
floating
image!**

Usage scene

Automotive instrument panel

Realize a near future interface by incorporating it into car navigation and instrument panel.



Amusement

A new sense of gaming experience for customers of amusement facilities.



Cooking

Operate the recipe screen of the tablet with the wet hand and hand touching the food.



Ticket vending machine & ATM

Since there is no hand touch on the screen, the fingerprint does not remain and security is assured.



Medical field

Operate X-ray images and equipment while keeping your hands clean during surgery.



Digital signage & Advertisement

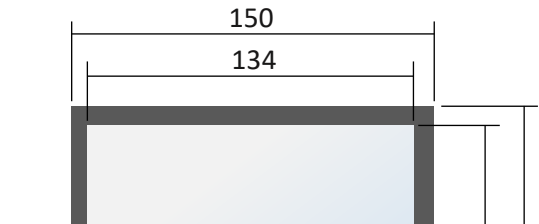
Surprising advertisement at the street show window and billboards.



- Manufacture and sale of lenses alone.
- It does not include sensor development that recognizes non-contact operation, software development and integration into equipment.

Floating Image Lens

Floating Image Lens specifications (With an acrylic protective cover)

	6.5 inch (150 X 118mm)
Lens size	 <p>(unit : mm)</p>
Wight	about 100g

*1 : Lens thickness

*2 : Overall thickness (Including acrylic cover and tape thickness)

Focal length (distance from the lens surface to imaging)	about 35 ~ 50mm
Viewing angle	about 34° (Up down left right about 17° per a side)
Material	COP (Cyclo-olefin polymer)
Protective cover	Included as standard (optional without cover)
Price	Please contact us for a quote.

Notes

- If you touch the lens directly or place it in a dirty place, sebum and dirt will adhere to it and you will not be able to remove it. Please wear gloves when touching.
- This lens is not dustproof or waterproof. Please be careful not to get dust or water droplets on it.
- When used outside, the color may change if exposed to sunlight or ultraviolet rays for a long time.
- If it gets dirty, wipe it gently with pure water or alcohol with a resin lens wiper.
- Depending on your product, you may need to install a cover.
- When handling the lens, avoid strong pressure, bending, warpage, etc.

