IZZI GLASS
SWITCHABLE Magic GLASS

A SIMPLE CHANGE OF VISUAL APPEARANCE ON GLASS WITH ON-OFF MODE

"IZZI" glass is the revolutionary glass in transition of the glazing industry through nano-technology and power applied. This special glass is a switch-operated laminated glass which incorporates a liquid crystal polymer in between 2 plies of glass. IZZI instantly changes its visual appearance when an electrical current (110V) is activated. A simple On-Off mode transforms the glass from transparent (Clear) to translucent (Opaque) like a magic. The Switchable Magic Glass is generally purposed for privacy, security and visual display.

Power of Liquid Crystal Polymer

Polymer-dispersed liquid crystals are deposited in a micro thin sandwich film of laminated glass and swiftly aligned parallel to each other to allow the light transmission when applying an electric current. Once the switch is off, the flow of electricity is stopped. The crystals return to their original irregular position, blocking the transmitting of light for privacy.
Features

- **Light and solar control**
  IZZI Glass can be switched from clear to frosted to control the amount of light and heat passing through which help save cost for lighting and air-conditioning. And it eliminates requirement for blinds and curtains.

- **Privacy and security**
  The switchable glass can provide privacy at the turn of a switch. At night time, privacy and security are assured when the glass goes opaque.

- **LCD Display Screen**
  In its frosted state, the glass becomes a high definition rear projection screen.

- **High UV protection**
  IZZI glass blocks nearly all of damaging and harmful UV which is the cause of color fading and aging.

- **Modern Design**
  The glass look is easily blended into any architectural and contemporary environment.

- **Custom sizes**
  This special glass can be produced to any custom sizes (smallest 100 x 100 mm to largest 1100 x 3500 mm).

- **Easy Installation**
  IZZI Glass can be custom-made to replace existing glass panels in window frames, glass walls, partitions and stand-alone display screen. The glass is similar to normal laminated glass and can be installed in the same way.

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There is no limit to the number of applications where IZZI Glass can be used. Its use is only limited by the strength of ones’ imagination. IZZI Glass has many applications for commercial and residential uses both indoor and outdoor.

Applications

- Dynamic Projection Billboard and Advertising Screen
- Windows, Doors, Glass Walls and Skylights
- Privacy and Security Partition
- LCD Display for Exhibition & Product Launch
- Store Front and Retail Displays
- Counters and Reception Displays
- Wide-Screen TV Projection for Home Theaters
- Conference Room
- Gymnasiums
- Meeting Room & Office Windows
- Furniture & Cabinet
- See-Through Refrigerator Doors
- Automotive Car Sun Roofs and Security Windows for Panel Vans
- Hospital Viewing Windows and Privacy Blinds for Ambulances
- Security Windows in Courtrooms and Remand Centers
- General Glazing

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<table>
<thead>
<tr>
<th>Performance</th>
<th>Measurements</th>
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<tbody>
<tr>
<td>Light Transmission</td>
<td>On</td>
</tr>
<tr>
<td></td>
<td>79%</td>
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<tr>
<td>Light Reflection</td>
<td>13%</td>
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<tr>
<td>Haze</td>
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<tr>
<td>SHGC</td>
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<tr>
<td>U-Value</td>
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<tr>
<td>Switching Speed</td>
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<td>Projection Viewing Angle</td>
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<tr>
<td>Power</td>
<td>110 VAC</td>
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<tr>
<td>Electrical input</td>
<td>0 - 240 VAC</td>
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<tr>
<td>Power consumption</td>
<td>5 W/m2</td>
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</tbody>
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