



SmartFilm X100

Latest High-tech Smart Film Equipped Anti Flicker Technology

up to 100Hz Frequency | Clearer Transparency | More Opaque and Whiter | Magically Switch from Transparent to Opaque

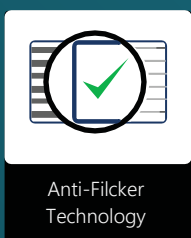
SmartFilm X100 is the latest high-tech smart film product under the ImagePath™ brand

Anti-flicker technology will provide a clearer view and reduce flicker when SmartFilm X100 is transparent, preventing eye strain, and eye fatigue, make the eyes comfortable when looking through

Up to 100Hz frequency (double the frequency compared to older smart film technologies) provides 30% clearer view, when transparent

SmartFilm X100 delivers optimal privacy when opaque, whiter, and more opaque than others

Just press the remote button, and the appearance will easily switch from transparent (power on) to an opaque state (power off) for optimal privacy instantly.



Anti-Flicker
Technology

100Hz

Double frequency
compared to
standard smart film



Eye
Comfort





SmartFilm X100-V and SmartFilm X100-F are easy and suitable to be applied in meeting rooms, control rooms, other office interiors, commercial buildings, residences, apartments, exhibitions and can be used anywhere there is a glass of any size and shape

SmartFilm X100 compared to other older smart films technologies:

SmartFilm X100



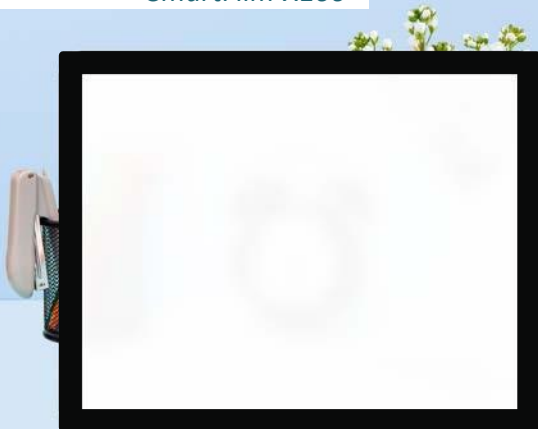
Power ON

Other Smart Film



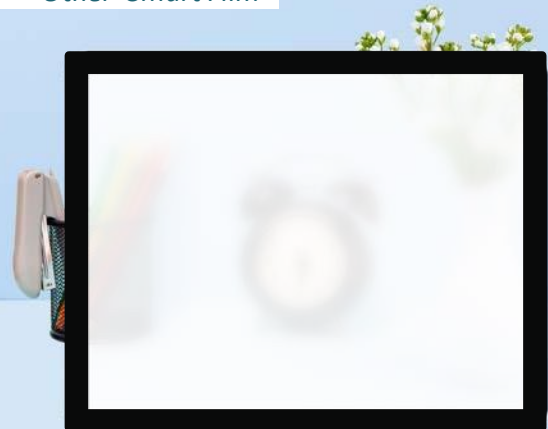
Power ON

SmartFilm X100



Power OFF

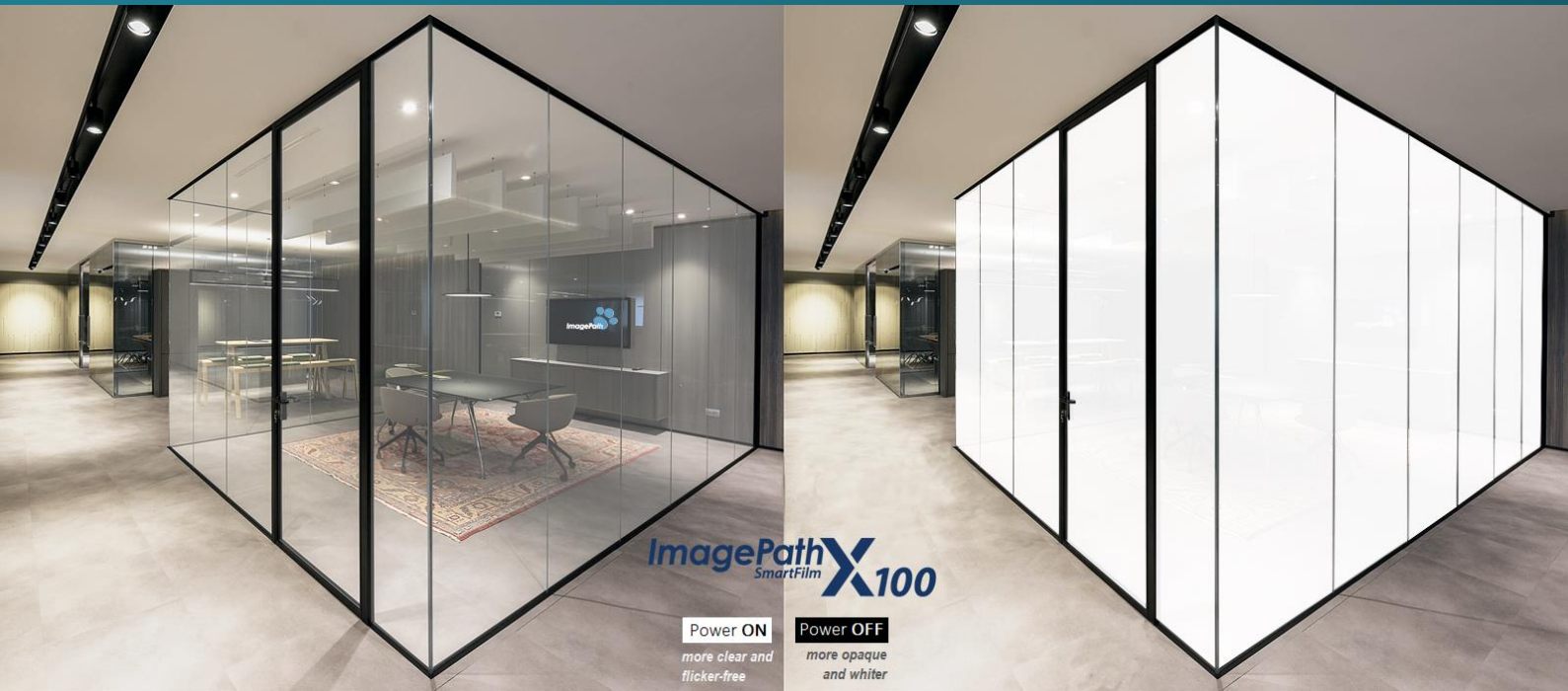
Other Smart Film



Power OFF

- SmartFilm X100 power OFF view looks more opaque and whiter
- SmartFilm X100 power ON provide 30% clearer viewing transparency
- Non-flickering appearance transparency

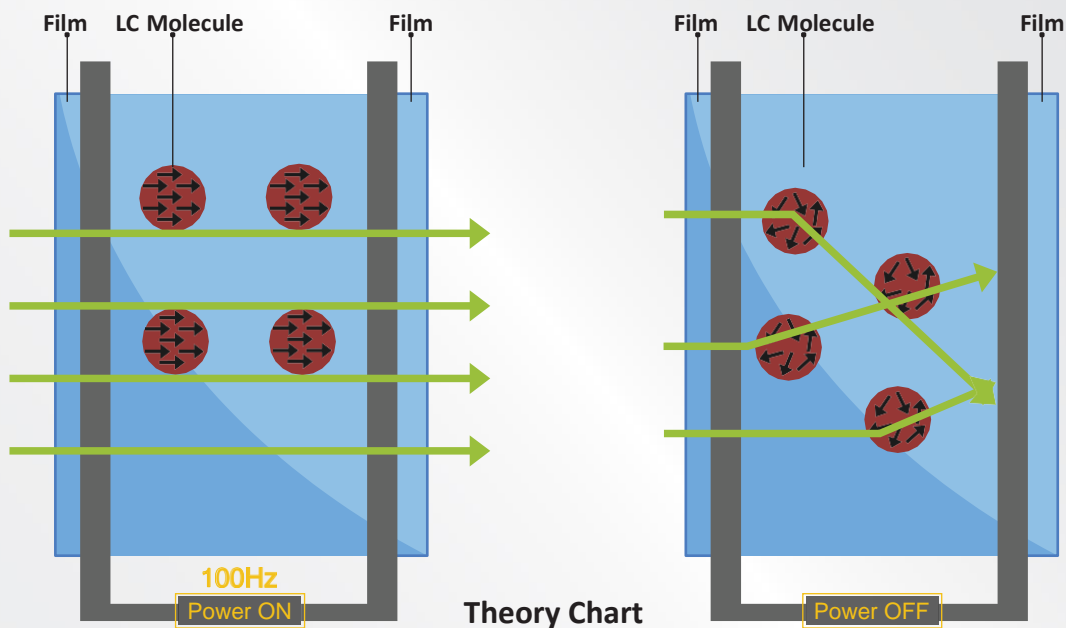
SmartFilm X100 Technology



How does ImagePath™ SmartFilm X100 technology works?

When the electrical supply is switched on, the liquid crystal molecules align and when light passes through, SmartFilm X100 panel instantly becomes transparent.

When the power is switched off, the liquid crystal molecules scatter light randomly to block visibility, SmartFilm X100 panel becomes opaque



SPECIFICATION

| | | | |
|-------------------|------------------------------|-----------------------|---------|
| Features | Anti Flicker | Yes* | |
| Operation | Frequency | 100Hz* | |
| | Power On | Clear | |
| Electrical | Power Off | Opaque | |
| | Operate Voltage | 36 ~ 50 VAC | |
| | Respons Time | On → Off | < 200ms |
| | | Off → On | < 200ms |
| Power Consumption | < 5W/m ² | | |
| Optical | Visible Light Transmittance | On > 80% | |
| | | Off > 50% | |
| | Parallel Light Transmittance | On > 80% | |
| | | Off > 4% | |
| | Haze | On > 6% | |
| | | Off > 90% | |
| UV Block | On/Off > 98% | | |
| Viewing Angle | 160° | | |
| Environment | Work Temperature | -20°C to +70°C | |
| | Storage Temperature | -15°C to +50°C | |
| | Humidity | < 70%RH | |
| Durability | Life Time | > 20 years** | |
| | Switch Time | > 2 million | |
| | Peel Strength | > 300 gf/inch | |
| | Thickness | 0.505mm | |
| | Size | 1.8m x 3.2m (maximum) | |

Notes:

All values are measured using standard manufacturing procedures and test equipment

* SmartFilm X100-V

** Daily operation 6-8 hours

ImagePath Display Company USA
www.image-path.com
 Powerful | Interactive | Collaborative

