



VISION™

SWITCHABLE  
SMART GLASS SOLUTIONS

---



ADDING  
PRIVACY & SECURITY  
TO YOUR HOME

## THE HISTORY

Our Founder / CEO has developed a unique and comprehensive range of patented smart glass technologies over the last 20 years, sold through our Intelligent Glass division in the UK. Now we have opened facilities in the USA to expand the VISION Smart Glass brand throughout North America, Central / South America and Canada.

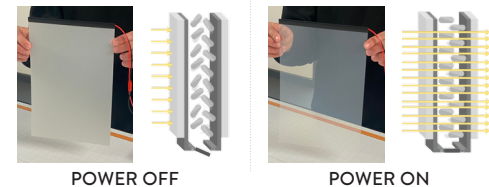
VISION Smart Glass Solutions are available through a trade reseller network covering a wide variety of industry sectors, including commercial, residential, hospitality, healthcare, marine and retail.

VISION Switchable Smart Glass and Smart Film is designed to offer instant and controllable privacy at the flick of a switch. The Polymer Dispersed Liquid Crystal (PDLC) technology allows an electric current to travel through via a simple ON/OFF function to switch the glass from frosted to clear (CE Approved Technologies).



## THE TECHNOLOGY

The illustrations below demonstrate PDLC (polymer dispersed liquid crystal) technology in both the ON/OFF state. The presence of an electrical current causes the switchable film to turn clear / transparent. In its ON (transparent) state the liquid crystals align, allowing light to pass through the layer. When the power is switched OFF the liquid crystals are scattered causing the light waves to refract and reflect away from the surface (frosted appearance).



## BENEFITS / FEATURES



Privacy on demand



Shading-reduced glare



Clinically Clean



Energy efficient technology



Easy switch / dimming



Green Technology



99% UV protection



Save on heating & cooling



Vandal resistant layer



Added safety & security

## “SMART GLASS / FILM PAYS FOR ITSELF”

BY SAVING \$\$\$s ON HEATING & COOLING YOUR BUILDING AND OFFERING UV PROTECTION FOR YOUR FURNITURE.

- No.1 trade supplier to many of the world's leading brands
- Over 20 years R&D experience in the Smart Glass Industry
- Comprehensive range of 'Patented' Smart Glass Technology
- Over 500,000 sq.ft of Smart Glass / Film sold worldwide
- Factories in Europe and the USA - Shipped to over 130 countries

# MARKETS



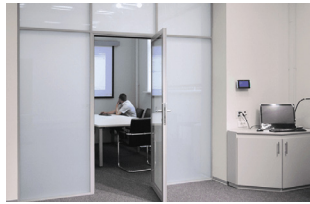
RESIDENTIAL



PLACES OF WORSHIP



COMMERCIAL



HEALTHCARE



HOSPITALITY



RETAIL



MARINE



VISITOR ATTRACTIONS







# RETRO-FIT SWITCHABLE SMART FILM FOR EXISTING GLASS

## KEY BENEFITS AND FEATURES



INSTANT PRIVACY ON DEMAND



REDUCED GLARE & 99% UV PROTECTION



SAFETY & SECURITY - IMPACT RESISTANT



SAVE ON HEATING & COOLING



LOW OPERATING COSTS, ENERGY EFFICIENT



CONTROL VIA RF REMOTE CONTROL, ALEXA OR HOME AUTOMATION SYSTEM



ENVIRONMENTALLY FRIENDLY GREEN TECHNOLOGY



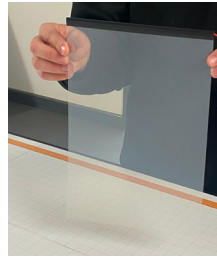
CLINICALLY CLEAN HYPO-ALLERGENIC NO DUSTY BLINDS / SHUTTERS



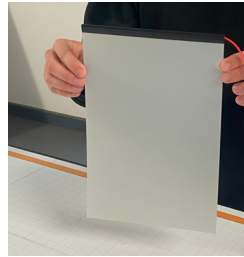
HARDENED PROTECTIVE COATING EASY TO CLEAN AND MAINTAIN



HD / 4K PROJECTION SURFACE WHICH CAN BE USED FOR VIDEO & ADVERTISING



FILM SWITCHED ON (CLEAR)



FILM SWITCHED OFF (FROSTED)



RETRO-FIT SWITCHABLE SMART FILM BEING INSTALLED ON YOUR GLASS

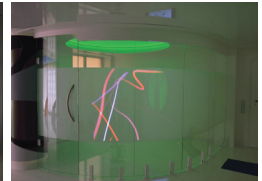
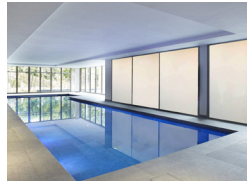


RETRO-FIT SWITCHABLE SMART FILM BEING INSTALLED ON YOUR GLASS

## ADD PRIVACY AND SECURITY TO ANY GLASS OR WINDOW

### RESIDENTIAL

### COMMERCIAL



UNLIMITED NUMBER OF APPLICATIONS AROUND THE HOME OR BUSINESS





## VISION SMART FILM

Designed to retro-fit to existing glass and other transparent surfaces like plexiglass, our Self-Adhesive Switchable Smart Film provides a simple and cost effective alternative to other switchable smart glass technologies. It is manufactured with a self-adhesive cling layer on one side (peel and stick) which makes it easy to apply to both new and existing glass surfaces, no specialist installation equipment required (CE Approved Technologies).

VISION Self Adhesive Switchable Smart Film is available in three standard roll widths 47.24" (1200mm), 59" (1500mm) and 70.86" (1800mm) which can be cut to any size and sold by the square foot. Custom shapes and sizes are available and multiple pieces can be joined together to create large switchable panels or partitions. This truly innovative product is now available to everyone, giving your home or business the added WOW factor.

VISION Switchable Smart Film is operated by a simple electrical ON/OFF switch or dimmer to control the opacity of the film, turning it from clear (ON) to frosted (OFF). It can easily be integrated into home automation systems too, giving you even more control. This unique film technology also transforms any glass into high-definition rear projection screen, which when combined with a video projector you can display 4K images for TV / Movies, Corporate Presentations and Digital Advertising. The key function of Smart Film is an 'Electronic Blind' giving privacy and security, but it also provides thermal, solar and sound insulation benefits, helping to keep a room cool, comfortable and quiet.

### TYPICAL APPLICATIONS IN THE HOME AND BUSINESS

Windows, Glass Facades, Glass Walls & Partitions, Doors, Skylights, Cabinets, Furniture, Video Advertising Displays...

### COLOR OPTIONS AVAILABLE



WHITE FILM



GREY FILM

CONTACT YOUR LOCAL RESELLER TODAY  
FOR A SURVEY AND INSTALLATION COST





## VISION SMART GLASS

VISION Smart Glass is our most popular glass option worldwide, offering a cost-effective solution where the polymer dispersed liquid crystal and multiple optical layers are machine coated / laminated directly onto the glass surface. Smart Glass, also known as Switchable Glass, changes from frosted to clear at the flick of a switch. This process means that the PDLC switchable coating can be applied to any type or thickness of glass including fire-rated glass, creating a high-quality solution with optimum clarity and performance. VISION Smart Glass is perfect for any number of switchable applications, with the benefit of reduced lead times, making it ideal for all time-critical projects. (CE Approved Technologies).

A simple ON/OFF mode switches the glass from being clear (transparent) to frosted (opaque). In its frosted state, the switchable layer acts as an 'Electronic Blind' providing privacy and security for any glass, window or partition. VISION Smart Glass Panels can be manufactured to any size in widths up to 70.86" (1800mm) as standard, but larger sizes and custom shapes are also available. Multiple panels can be seamlessly joined together to create large switchable glazed walls / partitions. We can coat any type or thickness of glass, but our standard tempered Smart Glass Panels are available in thicknesses 3/16" (5mm), 1/4" (6mm), 3/8" (10mm) and 1/2" (12.5mm). Other options include low iron, tinted / colored glass, fire rated glass and lightweight Plexiglas.

This unique glass technology can also be used as a high-definition rear projection screen to display Corporate Presentations, TV/Video Images and Advertising. A truly innovative product, making smart glass technology accessible to everyone while giving your home and business the added WOW factor.

### BENEFITS / FEATURES



Privacy on demand



Shading-reduced glare



Clinically Clean



Save on heating & cooling



Easy switch / dimming



Environmentally friendly



UV protection



Added safety & security



Vandal resistant layer



4K projection surface

### SUITABLE FOR ANY NUMBER OF APPLICATIONS

Windows, Doors, Skylights, Offices, Conferences / Meeting Rooms, Glass Walls & Partitions, Room Dividers, Store Front Displays







## VISION X SMART GLASS

VISION X Smart Glass is designed for more robust applications offering increased safety and security in both the workplace and the home. It is our premium priced product and more suitable for wet room / bathroom applications, spa's / pool areas, hospitals / clinics and any high traffic areas that need regular cleaning or sanitation. We have also developed a fully sealed IP rated Smart Glass Panel for frameless glass shower walls and cubicles. The seamless nature of VISION X Smart Glass means panels can be positioned side by side making them ideal for glass walls and partitions, creating a very minimal and contemporary look (CE Approved Technologies).

VISION X Smart Glass uses a switchable inter-layer bonded between two sheets of glass for complete protection. This durable solid-state technology replaces the need for old-fashioned blinds or curtains, making specific areas easier to clean / sanitize while offering greater control and comfort within any room.

A simple ON/OFF mode switches the glass from being clear (transparent) to frosted (opaque). In its frosted state, the switchable layer acts as an 'Electronic Blind' providing privacy and security for any glass, window or partition. The switching function can be controlled using a manual switch, remote control, phone app, automation system and ALEXA voice activation.

The standard thickness of VISION X Smart Glass is 1/2" (12.5mm), other thicknesses and glass options are available including bulletproof glass and lightweight polycarbonate panels.

### BENEFITS / FEATURES



Privacy on demand



Shading-reduced glare



Clinically Clean



Energy efficient technology



Easy switch / dimming



Environmentally friendly



UV protection



Save on heating & cooling



Vandal resistant layer



Added safety & security

### TYPICAL APPLICATIONS INCLUDE

High Traffic Areas, Clinics & Hospitals, Hotels, Restaurants & Bars, Casinos, Visitor Attractions, Pools & Spas, Bathroom / Shower Rooms





## VISION XL SMART GLASS

VISION XL Smart Glass is an energy-efficient insulated double or triple glazed unit (IGU) with integral switchable layer for both homes and commercial buildings. The latest generation of switchable smart glass windows combines the benefits of improved thermal performance with the immediate control over privacy / security. This durable solid-state technology replaces the need for old-fashioned blinds or curtains offering greater control and comfort within any room. The (PDLC) switchable layer is coated down on the inner surface of one glass panel then combined with a second panel to form a sealed unit. Our Switchable IGU panels utilise a warm edge spacer bar with an argon-filled air gap in between to offer greater insulation and performance, with optional low iron / low E coatings to provide the most energy-efficient smart glass windows on the market today.

VISION XL Smart Glass offers many benefits including privacy, noise reduction, energy efficiency and they are an environmentally friendly option for any home or commercial building. These Switchable Glass units offer thermal, solar and sound insulation benefits, regulating the room's temperature while keeping it comfortable and quiet. Not only do they remove the need for awkward blinds or curtains, VISION XL Smart Glass Panels allows natural light to flow into the room whilst maintaining the privacy within your environment (CE Approved Technologies).

This product is simple to install just like any standard double-glazed window. Enjoy the benefits of insulated glass making your room warmer in the winter and cooler in the summer. VISION XL double-glazed IGU's are manufactured to order in panel widths up to 70.86" (1800mm) and available in three standard thicknesses 0.7" (18mm), 0.87" (22mm) and 1.1" (28mm) custom sizes are also available.

### BENEFITS / FEATURES



Privacy on demand



Shading-reduced glare



Clinically Clean



Energy efficient technology



Easy switch / dimming



Environmentally friendly



UV protection



Save on heating & cooling



Vandal resistant layer

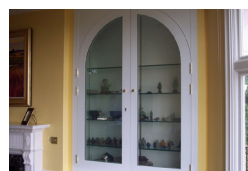
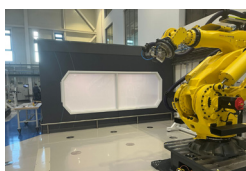
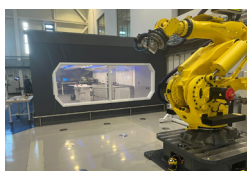
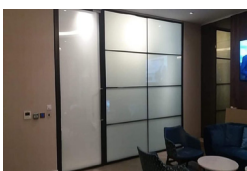
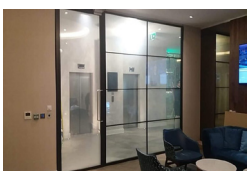
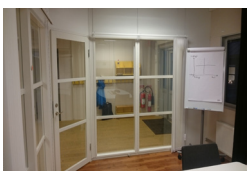


Added safety & security

### TYPICAL APPLICATIONS INCLUDE

Insulated Glass Windows for both Residential and Commercial Buildings  
(Improved thermal performance & efficiency, plus noise reduction)







# REFLEXIO™

## VANITY TV MIRRORS

Reflexio Vanity Mirror TV Mirrors, also known as Smart Mirrors or Magic Mirrors have a unique high reflective optical glass surface (lens) to create a hidden TV solution for bathrooms, showers, kitchens, bedrooms and dressing rooms. Our special optical coating means the TV is completely invisible when turned OFF, leaving a traditional silver / cosmetic mirror. These waterproof TV Mirrors are available in a variety of sizes / shapes (portrait or landscape) with the option of single or multiple TV screens and halo lighting.

The slimline and minimal design of the vanity TV mirrors means they can be recessed into the wall or surface mounted, with the option of a frameless glass edge or choice of decorative frame. Reflexio Vanity mirrors come with a 19" or 27" high brightness HD Smart TV and waterproof remote control. They are simple to install, clean and maintain.



Other screen sizes available.



SMART SHOWER - Mirror Vanity TV Wall combined with Smart Glass





# REFLEXIO™

## ENTERTAINMENT MIRROR TVS

Reflexio Entertainment Mirror TVs, also known as Smart Mirrors or Magic Mirrors have a unique mirror reflective optical surface (lens) to create a hidden TV solution. Our special optical coatings mean the TV is completely invisible when turned OFF. Reflexio 4K Smart Mirror TVs are available in a range of standard screen sizes from 43" to 98" or with custom oversized optical mirror glass panels for single or multiple TV screens and video wall solutions.

Reflexio Mirror TV panels are available in a variety of sizes / shapes (portrait or landscape) and multiple panels can be seamlessly joined together to create custom TV walls which will transform any room or environment with a cutting-edge technology and design style that is hard to beat. Our slimline mirror glass panels have a minimal design with a frameless glass edge or choice of decorative frame, making them ideal for a living room, reception area, office, bedroom, entertainment room, pool room or gym. The perfect solution for both the home and business by displaying movies, videos, advertising / company information.



**4K  
SMART  
TV**



**43"-98"**  
STANDARD  
SIZES



**OVERSIZED  
MIRRORS**



**MIRROR TV  
WALLS**



**DECORATIVE  
FRAMES**

Also available as Mirror Glass Overlays to fit existing TVs.



FULL LENGTH MIRROR SCREEN- Incorporating 43" 4K Smart TV





# VISION™

SWITCHABLE  
SMART GLASS SOLUTIONS

---

ADDING  
PRIVACY & SECURITY  
TO YOUR BUSINESS



LOCAL RESELLER