

# PRODISPLAY™

TECHNOLOGIES



MANUFACTURERS OF DIGITAL SIGNAGE SOLUTIONS

## SELF ADHESIVE PROJECTION FILMS



Pro Display manufacture a range of self adhesive projection films that can be easily applied to glass / plexiglas.

**Rear Projection Films** - roll width 1524mm (60") roll sizes 10 & 30 metres. Standard screen sizes 30" – 120".  
Screen Types: High Gain (high brightness), Pro Diffusion (high contrast), Clearview (transparent holo type).

**Dual Projection Film** - roll width 1650mm (65") roll sizes 10 & 30 metres. Standard screen sizes 30" – 120".  
Screen Type: 360 (Dual) - Projected image is displayed on both sides at the same time.

**Front Projection Film** - roll width 1800mm (71") roll sizes 10 & 30 metres. Standard screen sizes 30" – 140".  
Screen Type: Ultra Gain - high brightness projection film for high ambient / daylight applications.

## THRU-GLASS INTERACTIVE PROJECTION FOILS



Pro Display's interactive projection foils transform any glass or plexiglas surface into a touch screen, which provides the perfect solution for interactive store window displays. This optically clear foil has an electrostatic cling liner laminated to the surface, making it ideal for both permanent and temporary installations. The foils are designed for rear projection applications and supplied as a complete kit which is simple to install.

The following projection surfaces are available: High Gain (high brightness), Pro Diffusion (high contrast), Clearview (transparent holo type), Sunscreen (sun readable). Standard screen sizes 30", 40", 50", 60" & 67".

**Standard Features** - Projected Capacitance technology, works on glass up to 20mm thick, USB connection, CE, FCC and RoHS compliant, Windows 2000 / XP compatible. Custom sizes available up to 82" on request.

## SUNSCREEN PROJECTION SYSTEM



Sunscreen is a revolutionary new rear projection screen which has been developed specifically for store window applications and outdoor events. This unique screen technology has a special louvered optical filter which deflects external light to provide bright, sharp and crystal clear images in daylight. This is the only true projection screen technology that will perform in direct sunlight.

Standard screen sizes 30", 40", 50", 60" (4:3) 37" & 74" (16:9) - custom screen sizes and roll lengths are available upon request.

Sunscreen is available as a film to apply directly to a glass surface or as a poster system with top and bottom fixing bars and a wire cable system to suspend in behind the window.

## RETRO-FIT IR TOUCH SCREEN BEZELS



Pro Display's retro-fit IR Bezels instantly transform any LCD, Plasma and front / rear projection display into an interactive touch screen. The 36mm slim line interactive frame uses a matrix of horizontal and vertical infrared beams which pinpoint touch on the screen surface. Each IR Bezel comes as a 4 piece kit, which is simple to install. Standard sizes range from 30" – 120" diagonal (4:3 and 16:9).

**Standard Features** - Infrared touch technology, resolution - 4096 x 4096 pixels, scan speed - 50 scans/second, response speed - <16ms, USB connection, permanent or removable fixings, Windows XP / Vista compatible, vandal proof design, single touch - finger (gloved) or pen.

Multi touch version currently in development.

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## REAR PROJECTION SCREENS



Pro Display manufacture a complete range of acrylic diffusion screens for rear projection applications. Each screen is hand cast in a special glass mould; this process is far more labour intensive than other coated or extruded screens. The end result is a superior screen technology providing better resolution, higher gain and wider viewing angles. The following screen types are available:

- Pro Diffusion** – high gain screen providing excellent colour contrast and resolution in high ambient / daylight.
  - Ultra Black** – high contrast screen with superior black levels for areas where the lighting is controlled.
  - Clearview** – transparent / holo type screen providing a lower cost alternative to holographic screens.
- Standard screen sizes 30" – 138" diagonal. Custom screen sizes up to 200" diagonal (4 x 3 metres).

## SHORT THROW PROJECTION SCREENS



Pro Display has recently developed a unique new optical screen called Pro Diffusion HD. This screen is cast with a high concentration of diffusion particles (crystals) on one surface which means light can be more evenly dispersed across the surface and into the corners, resulting in higher resolution and a better image quality. Pro Diffusion HD has been predominantly designed for applications with short throw projectors and mirror projectors e.g. NEC WT610, Hitachi ED-A100/110 and Sanyo PLC-XL50/51.

This screen provides a cost effective alternative to other large format screen technologies where space for projection is limited.

Standard screen sizes range from 50" – 140" diagonal (4:3 and 16:9).  
Optional – anti glare coating is available.

## FRONT PROJECTION SCREENS



Pro Display produces a complete range of front projection screens providing high gain (brightness), excellent contrast and good colour reproduction in high ambient light and daylight. These unique screen technologies offer superior performance to conventional screens, making them the ideal choice for all front projection applications. The following screen types are available:

- High Gain** – high brightness screen suitable for short throw projection with a wide viewing angle (180°).
  - UltraVision** – high contrast screen with superior black levels that performs well in high ambient light / daylight.
  - Soundvision** – the world's brightest front projection screens, with 360° surface sound technology (the screen surface is a loudspeaker).
- Standard screen sizes 30" – 138" diagonal. Custom screen sizes up to 200" diagonal (4 x 3 metres).

## SWITCHABLE INTELLIGENT GLASS & FILM



This optical screen material changes its visual appearance when an electrical current is activated. A simple ON – OFF mode switches the Intelligent Glass and Film from being clear (transparent) to frosted (translucent). In its frosted state the material becomes a high definition rear / front projection screen solution.

Pro Display's recent advances in PDLC technology mean it is now available as a film to apply to existing glass or as a finished glass product. Intelligent Glass has a very minimal look, blending easily into any architectural or contemporary environment, making it an ideal screen solution for historical buildings, churches, museums and modern day home / business environments. Our technology uses a fine liquid crystal polymer which has been specifically designed to improve its performance as a projection screen for video and advertising applications.

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## MIRRORVISION ADVERTISING SCREENS



Mirrorvision is a product line which gives display technologies a whole new look and feel. Pro Display's unique mirror glass 'reflections technology' is combined with a number of display devices to create an advertising screen with a difference. When the device is switched on, the images magically appear through the mirror surface, becoming a high resolution screen. Then when the display device is switched off the screen surface reverts back to a normal mirror. This mirror glass technology is available either as a raw material (glass sheets) to integrate with any plasma / LCD panel or as a finished product.

**Mirrorvision Advertising Screens** (LCD with built-in media player). Screen sizes 10", 15", 17", 19", 20" & 32".

**Mirrorvision Projection Screens** - Screen sizes 40", 60" and 80".

The glass panels are available in two standard thicknesses 4mm or 6mm with sheet sizes of 1800 x 1500mm.

## LED ADVERTISING SCREENS



Pro Display has been manufacturing full colour LED display products and solutions for nearly 20 years. Our new range of high resolution LED modules provide a cost effective solution to smaller scale digital billboard advertising, poster displays and the LED banner / light box. Pro Display is focused on developing custom screen solutions for the digital signage industry.

### Standard LED Modules

Indoor - 4mm, 6mm, 7.62mm, 8mm and 10mm.

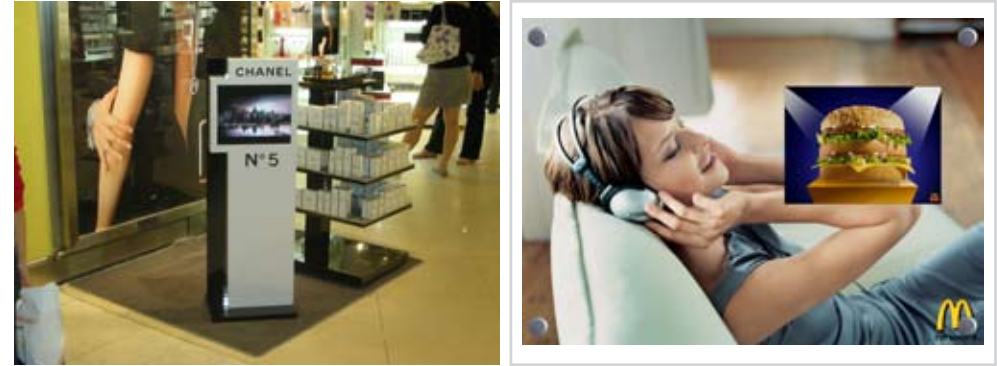
Semi Outdoor / Window - 8mm, 10mm and 12mm.

Outdoor - 8mm, 10mm, 12.5mm, 16mm, 20mm, 30mm and 40mm.

Perimeter Systems (stadiums / arenas) - 16mm and 20mm.

LED Lighting Effects - designed for walls, ceilings and floors.

## LCD ADVERTISING SCREENS



Pro Display manufacture a range of LCD screens with built-in media player (CF card). Standard screen sizes are 7", 10", 15", 17", 19", 20" & 32". The media player utilises CF cards and supports JPEG, MPEG 1, 2, 4 and MP3, with content updates via USB. These LCD Advertising Screens are available in a number of different formats:

**Standard Monitors** - a range of rugged metal monitors for 24/7 advertising applications. These monitors come complete with stereo speakers and motion sensor as standard.

**LCD Moving Poster System** - the LCD screen is built-in to a light weight aluminium display housing which is mounted on cables. This solution offers interchangeable static posters as part of the display.

**LCD Designer Advertising Panels** - these wall mountable advertising panels are available in both landscape and portrait. This screen solution has an acrylic fascia panel with a choice of custom graphics / images.

## SOUNDPOD AUDIO TRANSDUCERS



The new re-designed Soundpod transducer from Pro Display is small and unobtrusive, creating the ultimate invisible sound source. This amazing technology turns any surface into a loudspeaker - walls, ceilings, floors, furniture and even glass. The Soundpod device works through an energising principle, sending frequency waves across both sides of the activated surface producing a non-directional, diffused sound which evenly fills the whole of the area. Imagine turning your store window into a loud speaker, delivering your message and capturing the attention of passers by.

**Standard Features** - colour - satin black, diameter 100mm (4"), weight - 1kg (2lb), depth 45mm (1.75"), frequency: 20-20,000 Hz +/-3db, impedance - 8 ohms, 20 watts RMS. Requires an amplifier.

Pro Display's audio transducers are also available as canvas art wall speakers - various designs available.

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