INTRODUCTION

SCREEN INNOVATIONS – BETTER BY DESIGN

Pro Display was born to innovate, changing the face of visual display as we know it today. A manufacturer at the forefront of display technology, focused on developing new and exciting ways to advertise and entertain. Image is no longer just a desire – it’s become a way of life.

A combination of design flair, innovation and expert knowledge have created a truly unique range of display products and solutions. Since its conception the company has now grown significantly, with offices in the UK, USA and Saudi Arabia.

We hope that you will enjoy this catalogue and share in our vision.

“Creative technologies means new ways to advertise & entertain – open your mind to the possibilities”

Paul Beswick
Visionary / Founder
DIGITAL SIGNAGE/RETAIL DISPLAY

Dynamic digital signage is the display and management of information using full-motion and full-colour video in retail and various other commercial environments. With digital signage, retail stores can change their advertising content faster, more easily and less expensively compared to using traditional signage. It also gives retail stores the capability to provide regional, local and even site-specific content efficiently and inexpensively.

The ever increasing demand for dynamic digital signage has been a key factor in the development of many of Pro Display’s screen technologies, especially for POS, POP and high brightness window displays. Pro Display can provide the complete digital signage solution including the display screen, scheduling software and invisible sound source.

CORPORATE/COMMERCIAL AV

Pro Display’s innovative range of screen technologies enhances communication everywhere today - whether in the boardroom or the classroom or in most public spaces from airports to museums. Technology is transforming our world and customer expectations are greater than ever before. A continual dedication to design and innovation means that Pro Display have screen solutions that compliment today’s modern environments.

In a world where effective communication is an essential element to every business, our technology and creativity is set to deliver outstanding results. Whatever your visual display requirements Pro Display can provide the right solution. Working in cooperation with architects and designers to develop new and exciting ways to relay your message.
MARKETS

LEISURE/ENTERTAINMENT /EXHIBITIONS

Pro Display has years of experience in providing world class screen technologies to the events industry. Whether you are looking to re design a night club, organise an exhibition or open a new sports / leisure facility – dynamic visual display is a key component and will leave a long lasting impression with your audience. Creating the right impression is paramount to the success of any business or organised event.

Pro Display is renowned for being a manufacturer with vision, a leader in cutting edge technology. Providing screen solutions for customers who demand the very best - where innovation, design and performance are without compromise.

HOME THEATRE/INTERIOR DESIGN/GLASS

Pro Display has used its design flair and development skills to break into several new markets, by bringing the future of visual display into your home today. For individuals who have a need to be different and a desire for the very latest and innovative technology, image has now become a way of life.

Designer screen solutions from Pro Display provide a whole new concept in visual display for the home. Platinum Vision™ offers a unique range of lifestyle screen technologies to inspire any home theatre enthusiast. The minimalist look and feel of the technology blends in with today’s contemporary interiors. Creating a world where TV / PC screens become an integral part of the décor or their own piece of moving art.
Pro Display manufactures 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, but the end result is a superior screen technology.

**WHAT IS REAR PROJECTION?**

“Rear projection” means that the projector is placed behind the screen, shooting straight forward towards the audience. The screen technology controls the light path and distributes bright, sharp images into a predefined viewing zone.

Rear projection from Pro Display means using a number of very unique screen technologies to recreate images that are up to 10 times brighter and sharper than traditional projection screens. Pro Display’s screens use light so effectively that they allow you to project large images in brightly lit environments and even outdoors.

**WHY PRO DISPLAY DIFFUSION SCREENS?**

Pro Display’s diffusion technology is not the same as a traditional screen. It is an advanced optical substrate which enables you to control the projected image more efficiently, capturing and diffusing light at all angles.

The result is up to 10 times the brightness and perfect image uniformity without “hot-spots”.

**BENEFITS**

- Up to 10 times the brightness of conventional screens
- Superior contrast and resolution (improved black levels)
- Wide viewing angles with no critical angle of projection
- Greater performance in high ambient light

**STANDARD SCREEN SIZES:**

4:3 (diagonal screen measurements) - 30", 40", 50", 60", 67", 84", 100", 120", 134"
16:9 (diagonal screen measurements) - 40", 60", 67", 80", 92", 120", 138"

Custom screen sizes / shapes available upon request

**APPLICATIONS**

Pro Display’s new diffusion screen technologies perform so well in high ambient light, that the applications are endless.

- Large video / PC monitors • video walls • advertising screens • POS and POP displays • Cinema screens • information displays • training and presentation screens • window displays • The list goes on.......
DIFFUSION SCREENS

HIGH GAIN™
Pro Display’s standard range of High Gain™ diffusion screens were developed for general rear projection applications, making them a cost effective solution for general display - retail (POP), exhibition and advertising. This natural frosted white material performs well in high ambient light environments, making it suitable for window displays.

This high brightness screen technology offers lower contrast levels, ideal for general display, but not recommended for high end video applications.

STANDARD FEATURES
• Low cost rear projection screen
• Transmission – 87%
• Peak Gain – 7.4
• Horizontal half gain value (off axis) - +/-26°
• Vertical half gain value (off axis) - +/-20°
• Thickness – 3mm (0.12”)
• Viewing cone - 120°
• Colour – white frosted (matt)
• Screen sizes 30” – 138” diagonal

High Gain™ screens can be framed or suspended on a wire cable system creating a more minimalist look.

APPLICATIONS
• Window display
• POP / POS display
• Exhibitions / outdoor events
• Presentation screen
• Information display

PRO DIFFUSION™
Pro Diffusion™ is probably the most popular rear projection screen in the range. A grey tinted screen which provides unparalleled image quality and excellent colour reproduction. This unique screen technology recreates a high definition TV quality image, similar to that of plasma screen, making it the ideal choice for all video / advertising applications.

A perfect mix of brightness and contrast makes this the ideal choice for most video applications and the only diffusion screen technology that provides true 180° visibility (horizontal / vertical).

STANDARD FEATURES
• Hand cast rear projection screen
• Transmission – 74%
• Peak Gain – 4.7
• Horizontal half gain value (off axis) - +/-30°
• Vertical half gain value (off axis) - +/-30°
• Thickness – 3mm (0.12”)
• Viewing cone - 180°
• Colour – grey (reversible matt / gloss surfaces)
• Screen sizes 30” – 138” diagonal

Pro Diffusion™ screens can be framed or suspended on a wire cable system creating a more minimalist look.

APPLICATIONS
• Advertising / digital signage
• Video / entertainment
• Boardroom / training
• Exhibition / arenas
• Reception display
DIFFUSION SCREENS

ULTRA BLACK™

Pro Display’s Ultra Black™ is a unique black tinted rear projection screen providing unsurpassed contrast and resolution. The non-glare matt surface provides sharp, crystal clear and life like images at all angles. This very special screen technology has been designed for all high end video / visual display applications – especially control rooms, home cinema and multi-screen displays.

This ultra high contrast screen offers superior screen resolution, contrast and black levels. Ultra Black™ diffusion screens provide a cost effective alternative to other more expensive black screen technologies.

STANDARD FEATURES

• Hand cast rear projection screen
• Transmission – 50%
• Peak Gain – 2.4
• Horizontal half gain value (off axis) - +/-24°
• Vertical half gain value (off axis) - +/-24°
• Thickness – 3mm (0.12”)
• Viewing cone - 160°
• Colour – black (matt)
• Screen sizes 30” – 138” diagonal

Ultra Black™ screens can be framed or suspended on a wire cable system creating a more minimalist look.

APPLICATIONS

• Advertising / broadcasting
• Video / cinema screen
• Conference screen
• Control rooms
• Rear projection monitors

CLEARVIEW™

Clearview™ is a transparent rear projection screen which provides a low cost alternative to holographic screens, with superior performance, definition and no critical angle of projection. This amazing technology still allows visibility through the screen – displaying bright, sharp and vibrant images even in brightly-lit environments. Ideal for window applications, POS displays, exhibitions and advertising.

This unique transparent diffusion screen is ideal for any number of display applications; providing the ability to see through into the space behind the screen.

STANDARD FEATURES

• Hand cast rear projection screen
• Transmission – 97%
• Peak Gain – 7.9
• Horizontal half gain value (off axis) - +/-22°
• Vertical half gain value (off axis) - +/-22°
• Thickness – 3mm (0.12”)
• Viewing cone - 160°
• Colour – transparent (grey tint)
• Screen sizes 30” – 138” diagonal

Clearview™ screens can be framed or suspended on a wire cable system for a more minimalist look.

APPLICATIONS

• Advertising screen
• Window display
• POS / POP display
• Trade shows / promotions
• Attention screen
DIFFUSION SCREENS

SUNSCREEN™

Sunscreen™ from Pro Display is a revolutionary new rear projection screen which has been developed specifically for 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. Images projected at 26° +/-5°.

Sunscreen™ eliminates the problems of blurriness and glare caused by external light and reflection making it ideal for store windows and external display (images may be impaired by direct sunlight).

STANDARD FEATURES

• Light deflecting screen technology
• Transmission – 82%
• Peak Gain – 6.7 (not affected by high ambient light)
• Horizontal half gain value (off axis) - +/-26°
• Vertical half gain value (off axis) - +/-20°
• Thickness – 4mm (0.16”)
• Viewing cone - 120°
• Colour – high contrast grey
• Screen sizes 30” – 77” diagonal

Larger screen sizes available soon - 100", 120" and 138".

OUTDOOR PROJECTION SCREENS

From day one Pro Display has been working on the development of projection based screen technologies that could challenge LED in the outdoor arena. A combination of brightness, contrast and resolution to provide a cost effective alternative that meets customer needs and expectations. Sunscreen’s optically advanced light deflecting technology means that high contrast / high resolution images can still be achieved in daylight conditions (rear projection).

SOUNDIVISION™

Pro Display offers their range of rear projection diffusion screens with surface sound technology, providing the ideal medium for big screen advertising and entertainment. This unique flat panel speaker system is incorporated into an aluminium frame to provide a lightweight screen solution that can be easily installed into most situations.

Optional colour coordinated frames and graphic panels available.

STANDARD FEATURES

• Lightweight aluminium surround
• 360° surface sound technology
• Choice of diffusion screens
• Thickness – 25mm (1”)
• Screen sizes 60” – 120” diagonal
• Optional frame colour / graphic panel for speaker area

Custom screen sizes are available upon request.

CUSTOM SCREENS (SHAPED/CURVED)

Using CNC and laser cutting equipment Pro Display can cut their acrylic diffusion screens to any shape or size – oval, circle, rectangle, square, even heart-shaped. The standard sheet size is 2030 x 3050mm (80” x 120”) and we can create custom designed screen panels for a wide variety of applications - retail displays, exhibition stands, staging and partitions. Our acrylic materials can also be moulded or curved to create innovative display solutions, even a 360° screen using multiple projectors and specialist edge blending / geometric correction software.
DIFFUSION SCREENS

DESIGNER DIFFUSION STAND

This optically clear cast acrylic stand contributes simplicity and symmetry, a simple yet distinctive design with a minimalist look and feel. Bringing clarity and space to today’s contemporary interiors (50” screen).

DESKTOP DIFFUSION STAND

Pro Display has recently launched a new range of optically clear desktop stands and ceiling mounts for their range of diffusion screens (30” – 60” screens). Custom designed acrylic or glass stands are also available.

PORTABLE SCREEN STAND

This portable projection stand is ideal for any number of display applications (fixed or portable). A combination of a lightweight aluminium frame and weighted cable suspension system creates a distinctive hi-tech look to any screen presentation (30” – 120” screens).

CUSTOM STAND DESIGNS

Pro Display offer a range of custom stand designs for different display applications – exhibitions, conferences, presentations, product launches, information points, POS displays etc… This also includes flat panel speaker systems.

WEIGHTED CABLE SYSTEM

Pro Display supplies a range of cable suspension systems. The standard 1.5mm (0.06”) cable is available as a floor to ceiling fix or with an elegant 100mm (4”) balance weight which makes the screen appear to be floating in mid-air. Optional 3mm (0.12”) cable system for larger screen sizes.

EXTRUSION BARS / SCREEN CLIPS

For all screen sizes over 50” Pro Display recommend the use of extrusion bars and additional screen clips to prevent the screen from bowing on the cables. Extrusion bars are available for screen sizes 60” – 120”. The kit includes the aluminium bars, plastic inserts and end caps.

CABLE AND ROD FIXING SYSTEMS

In addition to the wire cable systems Pro Display offer a range of rod fixings – 3mm (0.12”), 6mm (0.24”) and 10mm (0.4”). The cable and rod systems can also incorporate a number of accessories to complement the screen – fixed signage, shelves, leaflet dispensers etc.

ALUMINIUM FRAMES AND FIXINGS

Pro Display offers a range of frames and fixings for their diffusion screens. The standard frames come in a silver satin finish and can be wall fixed, floor mounted or cable suspended. Frames include plastic screen inserts and connectors. Optional frame finishes available.
Rear Projection Solutions

Mirror Rigs

Pro Display have engineered a range of rear projection mirror rigs for those wanting to project large, bright and crisp images in the minimum amount of space. These mirror rigs are available in 3 standard screen sizes – 80”, 100” and 120” diagonal.

A simple construction comprising of the optical mirror, aluminium frame, projector mount and all interconnecting framework, makes them cost effective and easy to install. Our mirror rigs can be built into free standing displays or integrated into a wall / partition to provide the ultimate large screen display. Ideal for use with our Ultra Black™ diffusion screens. Custom mirror rigs can be designed and manufactured to order.

Rear Projection Monitors

Pro Display has designed their own unique range of large screen rear projection monitors in 3 standard screen sizes 80”, 100” and 120” diagonal. These large PC / TV monitors feature a stylish, slim line enclosure which is available in a variety of different finishes to suit both modern and traditional interiors. Suitable for any number of different applications – boardrooms, cinema rooms, conferences, exhibitions, training facilities, advertising screens etc…

For more information contact your local sales representative.

Trucks and Trailers

The combination of specially designed mirror systems and Pro Display’s advanced optical screen technologies means that mobile screen solutions for trucks and trailers are now a real possibility.

High resolution video projection screens for advertising and entertainment provide a low cost alternative to LED technology, making them the ideal choice for all kinds of outdoor events – concerts, sports arenas, race tracks, trade shows, outside broadcasts, parties etc..

Pro Display can custom design mirror / screen solutions for a variety of different vehicle types.

Screens for the NEC WT610

Pro Display’s new Sunscreen™ is the ideal screen technology to work in conjunction with the NEC WT610. There are few screen technologies that can redirect the projected light path to provide sharp, crystal clear and bright images even in high ambient lit environments. The screens unique optical louvered surface redirects the image towards the viewing audience making it suitable for all short throw applications.

For more information contact your local sales representative.
LCD GLASS

PRODUCT

Dayview™ LCD Glass is a revolutionary ‘new product’ which will transform the glazing industry. This special glass laminate consists of a liquid crystal polymer which changes its visual appearance when an electrical current is activated. A simple ON – OFF mode transforms the glass from being clear (transparent) to opaque (translucent). When the glass is in its opaque or frosted state images can be rear projected onto the glass to create a high definition display screen (UXGA resolution). Dayview™ LCD Glass has many applications, but is primarily used for privacy, security and visual display.

FEATURES

Dayview™ LCD Glass is suitable for both indoor and outdoor applications (with protection). Replacement LCD Glass panels can be produced to custom sizes (maximum w 98cm x h 280cm 38.5" x 110""). Multiple panels can be positioned side by side for large glazed areas.

- switches from clear to frosted
- privacy and security
- rear projection screen
- high UV protection
- simple and safe to use
- custom sizes
- indoor and outdoor
- durable and reliable.

APPLICATIONS

HOME
- windows and doors
- conservatories / sun rooms
- screens and partitions
- furniture / cabinets
- PC / video projection screen

BUSINESS
- office windows and partitions
- store fronts / visual displays
- privacy and security glass
- information / advertising screen
- counters / reception displays

SPECIFICATIONS

TECHNICAL DATA

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating</td>
<td>ON OFF</td>
<td>Transparent</td>
</tr>
<tr>
<td>Voltage</td>
<td>110 VAC</td>
<td>Translucent</td>
</tr>
<tr>
<td>Response Time</td>
<td>ON OFF</td>
<td>Less than 1 second</td>
</tr>
<tr>
<td>UV Blocking</td>
<td>ON/OFF</td>
<td>98%</td>
</tr>
<tr>
<td>Glass size</td>
<td>To order</td>
<td>Price per square metre/yard</td>
</tr>
<tr>
<td>Glass thickness</td>
<td>Standard</td>
<td>10.5mm (0.41&quot;)</td>
</tr>
<tr>
<td></td>
<td>Optional</td>
<td>6.5mm (0.25&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Custom sizes available Upon request</td>
</tr>
<tr>
<td>Colour</td>
<td>Standard</td>
<td>White (using clear glass)</td>
</tr>
<tr>
<td></td>
<td>Optional</td>
<td>Blue, green, bronze</td>
</tr>
</tbody>
</table>
The above picture demonstrates a typical installation of LCD Glass in a storefront application. Here two panels have been joined in the frame to create a 100” rear projection screen. Each panel is wired back to a manual wall switch and linked to simultaneously switch ON / OFF at the same time. At certain times of the day the LCD Glass is switched clear (ON) to allow visibility into the store. When the glass screen is switched (OFF) into its frosted state, high definition video images are projected onto the surface, creating a powerful advertising screen. For this installation the client used a single 5000 ANSI Lumen DLP projector with a 0.8 short throw lens.

The above picture represents a LCD Glass partition wall within a night club, the four glass panels are installed on the second level to create a viewing area overlooking one of the main dance floors. During the evening the second level is used as a private members area so guests can see what’s happening within other parts of the club. The LCD Glass wall offers privacy and security for VIP guests. During special events the glass wall is turned into a large visual display for video clips and special effects. The client is using one 4500 ANSI Lumen LCD projector with a 0.8 short throw lens. For large glazed areas you can use multiple projectors with edge blending software.
REAR PROJECTION SCREENS

Pro Display’s LCD rear projection glass screens are available in 3 standard sizes and come complete with cable suspension system and RF remote control switch. Each screen is produced in a widescreen format (16:9).

50” diagonal – 623 x 1107 x 10.5mm  (24.5” x 43.5” x 0.41”)

62” diagonal – 772 x 1373 x 10.5mm   (30.4” x 54.0” X 0.41”)

74” diagonal - 930 x 1653 x 10.5mm   (36.6” x 65.0” X 0.41”)

Custom screen sizes available upon request.

FRONT PROJECTION SCREENS

Pro Display’s LCD front projection glass screens are available in 3 standard sizes and come complete with cable suspension system and RF remote control switch. Each screen is produced in a widescreen format (16:9).

50” diagonal – 623 x 1107 x 8mm  (24.5” x 43.5” x 0.31”)

62” diagonal – 772 x 1373 x 8mm   (30.4” x 54.0” X 0.31”)

74” diagonal - 930 x 1653 x 8mm   (36.6” x 65.0” X 0.31”)

Custom screen sizes available upon request.

DESIGNER LCD GLASS STAND

Pro Display’s LCD glass stand represents the very latest in visual design aesthetic and innovation. This unique display technology has a minimalist look and feel, which allows it to simply blend into the surroundings. The stylish base unit is available in several different finishes (wood, metal, marble or fabric) to match both traditional and contemporary interiors. Using the remote control you can switch the LCD glass from clear to frosted creating a high definition TV / display screen. For the ultimate visual experience Pro Display have transformed the base unit into a loudspeaker.

Both front and rear projection versions available.

PORTABLE PROJECTION CART

The portable projection cart from Pro Display is a real innovation in hi-tech visual display. Pure technology and aesthetics makes it stylish and functional, offering mobility and interactivity.

A hi-tech mobile frame with retractable rear projection mirror, 67” interactive LCD Glass touch screen and invisible sound system. When the frameless LCD glass panel is switched off it becomes a high definition rear projection screen (UXGA resolution) and when it is switched on it becomes completely transparent.

A new version is now available for NEC’s WT610 short throw projector.
Dayview™ LCD Film can be applied to existing glass using special UV cured optical glue.

Installing the LCD Film –
1-2. Clean the existing glass.
3. Prepare the LCD Film.
4. Spray the optical glue onto the glass.
5. Position the LCD Film on the glass
6. Disperse the optical glue, removing any air bubbles.
7. Clean off any excess glue.
8. Cure the glue using a UV lamp.
9. Connect electrical cable to contact strip.
10. Apply plastic protective cover strip.
11. Installation is complete.

NEW pre glued version of the LCD Film, simply peel off the protective film and apply.

Pro Display has recently made major developments with the PA-LC technology and it is now available as a Film that can be simply applied to existing glass. The Film works in the same way as the LCD Glass, but offers greater flexibility in the market, especially where it is difficult or costly to replace the existing glass. Other benefits include applications on curved glass and custom shaped LCD panels. By applying a mirror reflective film to the glass surface first, the LCD Film can be used as a front projection screen.

Pro Display has recently made major developments with the PA-LC technology and it is now available as a Film that can be simply applied to existing glass. The Film works in the same way as the LCD Glass, but offers greater flexibility in the market, especially where it is difficult or costly to replace the existing glass. Other benefits include applications on curved glass and custom shaped LCD panels. By applying a mirror reflective film to the glass surface first, the LCD Film can be used as a front projection screen.
360° SCREENS

ELECTRIC ROLL-UP SCREENS

This unique projection screen technology produces a perfectly viewable image on both sides at the same time with 180° angle of visibility, creating the world’s first 360° projection surface. Providing the flexibility of front or rear projection for those difficult installs.

The 360° electric roll-up screens are available in 4 standard screen sizes 60", 80", 100" diagonal (4:3 aspect) and 120" diagonal (16:9 aspect). Each unit comes complete with a handheld RF remote control, to operate the screen.

STANDARD FEATURES

- Flexible optical film – 120 micron.
- Image displayed on both sides
- Perfect colour reproduction
- High definition / contrast images
- Peak gain – 5.7
- No hot spots – even brightness
- Works in high ambient light

APPLICATIONS

The 360° screens are ideal for positioning in the centre of a room to be seen from all areas.

- Pubs, clubs and bars
- Shops, shopping centres and malls
- Exhibitions / conferences
- Auditoriums / churches
- Advertising / information displays
- POS / store window displays

CLEAR ACRYLIC SCREENS

Pro Display offer a range of 360° screens where the material is applied to an optically clear acrylic panel, with the option of a clear outer border. These screens have been designed to work in conjunction with the weighted cable suspension system (see diagram). Standard screen sizes 40", 50", 60", 80", 100" and 120" diagonal – options available in 4:3 and 16:9 aspect ratio.

Please note that custom screen sizes are available upon request.

SCREEN MATERIAL

The 360° screen material is also available cut to size off the roll - 1.65 x 50 metres (1.8 x 54.7 yards). It is available in two formats, as a standard material and as a glue backed version which can be applied directly onto glass or plexiglass. The flexibility of the material is that it can be cut to size and joined to create large projection screens or banners.

For high gain front projection applications the material can also be applied directly to a solid surface or fixed to a frame.

PORTABLE PRESENTER

The 360° screen material is sealed in an optical laminate giving it greater durability, allowing it to simply roll away in a carry / storage tube. This portable presentation tool doubles as a white board, allowing for the use of dry markers on the screen surface. Standard screens sizes 40", 50", 60" and 72" diagonal.
FRONT PROJECTION SCREENS

TITANIUM SCREEN™

Pro Display’s Titanium Screen™ is a specially formulated rigid flat front projection screen providing higher gain, high contrast and perfect colour reproduction in ambient light. This unique screen technology offers superior performance to conventional screens, making it the preferred choice for all front projection applications. There is no need to turn down the lights; you will still achieve bright and vivid images.

Standard screen sizes up to 138” – panels can be multiplexed for large screen presentations (virtually seamless).

Titanium screens™ can be wall mounted, framed or suspended on a wire cable system for a more minimalist look.

STANDARD FEATURES

• Hand cast acrylic screen
• Peak gain – 7
• Thickness – 3mm (0.12”)
• Viewing cone - 160°
• Colour – silver reflective matt surface
• Screen sizes 30” – 138” diagonal
• Suitable for use with NEC’s – WT610 / WT615

APPLICATIONS

• POS / POP displays
• Advertising / information displays
• Exhibitions / conferences
• Airports, bus & rail Stations
• Schools, universities & churches
• Home cinema screens

PLATINUM VISION™

Pro Display offer a range of designer electric roll-up screens using standard projection cloth with a gain of 1 and a 180° viewing cone, ideal for both professional and home theater use. A unique oval shaped aluminium housing and decorative wall bracket, give this screen a sense of style and quality.

A range of screen sizes are available in both 4:3 and 16:9 (widescreen) with black borders to suit. Screens come complete with a hand held remote control.

Platinum Vision™ electric roll-up screens can be wall or ceiling mounted.

STANDARD FEATURES

• Aluminium housing / wall brackets
• Screen sizes from 74” – 120”
• 4:3 or 16:9 aspect ratio
• Optional high contrast screen materials
• Masked black borders
• Manual switch and remote control

APPLICATIONS

• Home theater / entertainment
• Corporate boardrooms
• Meeting rooms
• Auditoriums / training facilities
• Schools / universities
• Conference / presentations
**Soundvision™**

Soundvision™ screens are the world’s brightest front projection screen, with 360° surface sound technology (the screen surface is a loudspeaker). When brightness, clarity and contrast are an important part of your visual presentation, there’s only one solution. This specially designed optical screen has an aluminium coated surface which is highly reflective. Soundvision™ screens provide a cost effective solution to big screen advertising and entertainment.

This technology is available in two formats –

- 10 gain version for high definition / contrast (180° visibility)
- 20 gain version for high brightness applications

Standard screen sizes 40” - 200” diagonal (4:3) 80” - 120” diagonal (16:9)

**Standard Features**

- High Gain (10 / 20)
- High definition / contrast
- 360° surface sound
- High resolution – up to UXGA
- Lightweight design
- Cost effective alternative to LED

**Applications**

- Advertising / information screens
- Concerts / outdoor events
- Auditoriums / churches
- Schools / universities
- Exhibition / conferences

---

**Soundvision™ Pro**

The Soundvision™ Pro screen from Pro Display has been designed for the professional home theatre market and high end audio visual installations in venues such as hotels, restaurants, bars and clubs. This front projection screen technology represents the ultimate sound and visual experience, be prepared to be blown away by the quality and performance of this screen – nothing comes close.

The slim line frame design comprises of a honey combed sound board, with special audio transducers and a high gain aluminium foiled surface offering true colour reproduction and superior contrast levels, creating life like images.

Standard screen sizes – 50”, 80” and 92” (16:9).

Optional surround speakers.

**Standard Features**

- Stylish slim line design - depth 25mm (1”)
- High gain (7) cinema screen
- Superior contrast / resolution
- True colour reproduction
- High power flat speaker (up to 80 watts)
- Full spectrum frequency response

**Applications**

- Home theater / cinema
- Hotels and restaurants
- Bars and night clubs
- Corporate boardrooms
- Music / video stores
Mirror vision from Pro Display is a product line which gives display technologies a whole new look and feel. A range of display solutions that fully integrate with their surroundings, creating light and space in any room.

Pro Display's unique mirror/glass 'reflections technology' is combined with a number of display devices to create a screen with a difference. When the device is switched on, the PC / TV 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.

Pro Display offer a range of rear projection mirror vision screens in a stylish satin silver frame.

Standard screen sizes – 40", 60" and 80" diagonal.

**STANDARD FEATURES**

- Satin silver frame – 19mm (0.75”)
- Transmission – 45%
- Peak Gain – 2
- Thickness – 7mm (0.27”)
- Viewing cone - 120°
- Display – mirror bronze
- Screen sizes 40", 60", and 80” diagonal

**APPLICATIONS**

- Home theater / entertainment
- Corporate boardrooms
- Hotel receptions
- Fashion stores / changing rooms
- Hair & beauty salons
- Bathrooms / restrooms

Mirror vision from Pro Display forms part of the Platinum Vision™ designer interiors range. This includes a number of standard and custom designed screen solutions using the ‘reflections technology’. Pro Display offers a 42” plasma TV screen which incorporates the mirror glass.

Pro Display manufactures an exclusive range of wall mountable LCD mirror vision screens which are available in a variety of different sizes and configurations. Standard screen sizes range from 15” to 40” with a selection of inputs – RGB, DVI, Video (optional TV tuner). Other options include digital media players and single board PCs. The mirror vision LCD screens offer a very contemporary design, with a 4mm (0.16”) frameless mirror glass panel and attractive wall fixings.

The reflections range transforms your Plasma / LCD TV screen into a mirror. Pro Display has designed and developed a range of mirror glass overlays which change the visual appearance of plasma / LCD screens so that they become an integral part of the room’s décor. When switched on the images are displayed through the mirror. A number of different frame designs and finishes are available for both contemporary and traditional interiors.
information point

Pro Display realise that dynamic digital signage and visual display solutions can transform your business. Pro-Vu touch™ screen technology takes that theory to a whole new level, with a range of frameless large scale interactive touch screens. When inactive the screen looks like any normal clear glass panel and when activated it becomes a high definition rear projection touch screen. The screen is a combination of Pro Display’s LCD film and optically clear interactive foil (capacitance technology). Standard screen sizes 50”, 62”, and 74” diagonal.

Pro Display’s interactive glass information point allows the client to access information by touching the screen surface. Exciting touch screen displays, with instantly updateable messaging capture and engage customers, staff and key audiences.

These screens can be cable suspended or floor mounted.

standard features

• Frameless clear glass panel
• High gain LCD rear projection screen
• Switches from clear to frosted
• Optically clear interactive foil
• Projected capacitance technology
• Optional floor stands
• RF handheld remote control

applications

• Shopping centres and malls
• Airports, bus and rail stations
• Museums and customer attractions
• Exhibitions and trade shows
• Business receptions

through glass touchscreens

What makes Pro Display’s clear glass interactive touch screens so special is that they can be used for through window applications. Imagine turning your store window into a touch screen display – the screen is positioned up close to the window and activated by touching the external glass, imagine the possibilities. Customers can access information on products and services day and night (24/7), with the ability to switch the screen clear when you want to see into the store. A dynamic screen that truly is a ‘silent salesman’. Standard screen sizes 50”, 62”, and 74” diagonal.

The interactive foil is available separately and can be applied to our range of diffusion screens (various screen sizes available).

Pro Display is currently working on a new rear projection LCD interactive film that can be applied directly to the window.

sound windows

For additional engagement and interactive navigation Pro Display recommends the use of soundpods on the store window, which turn any glass panel into a loudspeaker. Let your store window do all the talking.

applications

• Car showrooms
• Property / estate agents
• Banks / building societies
• Travel agents
• Mobile phone retailers
PLASMA / LCD TFT

PLASMA SCREENS

When plasma screen technology first came onto the market Pro Display was involved in producing a 42” and 46” monitor which were aimed predominantly at the commercial sectors. The popularity of plasma screens has grown and grown over the last few years and the technology still has a place in the business environment, but it is more suited to the domestic market.

Today the company specialises in customised plasma screen solutions for retail, corporate and designer home interiors, where the look and feel of the technology is altered to complement the décor.

Pro Display produces a range of custom housings, bezels and frames for both traditional and contemporary interiors. This means working directly with many of the major brands to be able to provide screens to meet every size and budget.

Pro Display are looking to launch a new range of plasma screens as part of the Platinum Vision™ range and this will include a version utilising the mirror vision glass (reflections technology).

APPLICATIONS

- Designer home interiors
- Corporate boardrooms
- Business receptions
- Shops / shopping centres / malls
- Airports, bus and rail stations

LCD TFT SCREENS

Pro Display specialise in custom LCD TFT display solutions for both commercial and home cinema applications. Designing flat panel display products which require a high level of differentiation or integration. This means taking the basic components (flat-panel display, controller cards and cables) to produce an open frame / chassis which is then integrated into custom housings, furniture (kiosks) or the architecture of a building (walls).

Pro Display uses only the highest quality TFT screens and components, with screen sizes from 6.4” to 65” diagonal. The range includes a number of sunlight “viewable” displays for window and outdoor applications.

Our displays offer both PC / video inputs with a number of options – touch screens, single board PCs, digital media players, TV tuners etc…

Pictured below is a new range of designer LCD glass TV screens (PC / Video) which are available in a variety of colours and standard screen sizes – 15” to 40” diagonal.

APPLICATIONS

- Designer home interiors
- Corporate boardrooms
- Business receptions
- Store window / outdoor displays
- Pubs / bars / clubs
- Retail displays
LED TECHNOLOGY

MOVING MESSAGE DISPLAYS

Light emitting diodes, commonly called LEDs, are real unsung heroes in the electronics world. They do dozens of different jobs and are found in all kinds of devices. Basically, LEDs are just tiny light bulbs that fit easily into an electrical circuit. But unlike ordinary incandescent bulbs, they don’t have a filament that will burn out, and they don’t get especially hot. One of the biggest markets for LEDs is updateable signage.

Pro Display has been producing LED moving message displays for over 15 years, designing and developing LED products for both commercial and industrial applications. The product line includes a range of standard displays and custom designed solutions to meet specific customer requirements. Manufacturing single, multi-line and full matrix LED message boards with standard character heights from 23mm (1") to 650mm (25”).

Our product range includes single colour, tri colour and full colour displays, including high brightness models for window applications.

APPLICATIONS

- Call centres
- Factories / assembly plants
- Cinemas / theatres
- Financial institutions
- Airports, bus & rail stations
- Retail displays / POS

RECEPTION DISPLAYS

Over the years Pro Display has designed many instantly updateable message boards for receptions, meeting rooms and waiting areas. These have been produced using LED and VFD technology. VFD or vacuum fluorescent gas displays are composed of three basic electrodes; the Cathode (Filaments), Anodes (Phosphor) and Grids under a high vacuum condition in a glass envelope. This type of display gives a bright light with great contrast.

Inspired by today’s contemporary interiors - Pro Display are developing a new range of hi-tech LED and VFD message boards for the workplace. Utilising designer profiles and vibrant coloured displays to maximise the visual impact and allow for greater integration within the working environment.

The new product line will include a desktop display, a floor standing totem display and a range of wall mountable glass displays, that can be custom designed to a client’s specification. For more information – contact your local sales representative.

APPLICATIONS

- Company reception areas
- Hotel lobbies
- Meeting / waiting rooms
- Conference facilities
- Visitor attractions
- Airports, bus & rail stations
CUSTOM DISPLAYS

Pro Display has been involved in the design of many custom display solutions using LED technology. This has included the integration of LED panels into the structure of buildings, creating artistic light changing wall sculptures and numerous architectural lighting effects for both corporate and commercial environments.

By adopting a number of new technologies, Pro Display can create an array of exciting visual effects using LEDs. The utilisation of vibrant new colours such as true blue, green and white LEDs has been a revelation – light years away from the old red tic-a-tape message boards.

Whether you are looking to create a simple colour changing lighting effect for your building or an illuminated sign board, Pro Display have the solutions. Using our mirror vision technology we can create a number of different message board solutions that will simply blend in with your surroundings.

For more information on how to be creative using LED technology, contact your local sales representative.

APPLICATIONS

- Innovative display solutions
- Architectural lighting
- Retail / POS displays
- Mood / atmospheric lighting
- Lighting effects / entertainment

OUTDOOR DISPLAYS

Over the years Pro Display has designed and manufactured numerous outdoor displays for a variety of different applications. This has included single and multi line message boards, graphic panels, time / temperature clocks and scoreboard systems.

Utilising high brightness LEDs we can produce displays to meet specific customer requirements. Standard character heights range from 23mm (1") to 650mm (25") and are available in a number of different formats – single colour displays (red, amber, green or blue), multi colour displays or full colour displays.

Most of the outdoor LED displays that we produce are based on a modular design and so it is quite easy to create custom screen sizes and solutions. There are number of different pixel configurations and resolutions available to suit most budgets.

Our displays utilize special sunlight viewable LEDs for higher visibility.

Whatever your application, we can provide the right solution.

APPLICATIONS

- Single line message boards
- Multi line message boards
- Full matrix graphic panels
- Time / temperature clocks
- Scoreboard systems
LED TECHNOLOGY

INDOOR VIDEO SCREENS

Pro Display has been involved in the design and development of full colour LED video screens since the technology evolved in the early 1990's. After many years in the industry Pro Display formed an OEM alliance with a division of Matsushita (National Panasonic) to design and develop a new range of full colour LED modules.

The next generation of LED screens incorporates the design skills of Pro Display and the engineering excellence of National Panasonic – a partnership you can trust. Pro Display / Panasonic screens utilise the very best components, highest grade LEDs and are manufactured to a very high standard in the Panasonic factory.

The range of indoor screens are available in 4 different pixel formats (resolution).

PRODUCT SPECIFICATION

- Indoor screens
- Pro Display / Panasonic
- Highest grade - LEDs
- Highest quality components
- 2 year comprehensive warranty
- Resolution – 8, 10, 12 and 16mm

What are the major benefits of owning a Pro Display / Panasonic screen

- Cost savings against other major brands
- Quality and reliability
- 24 months comprehensive warranty
- Factory installers (worldwide)
- Ongoing technical support / back up
- Service / maintenance contracts

OUTDOOR VIDEO SCREENS

Pro Display / Panasonic modular LED video screens can be custom manufactured to any size and for any application, with a variety of different resolutions to meet most budgets. These high brightness screens offer exceptional picture quality, making them the ideal choice for outdoor advertising and entertainment. Adjustable brightness levels and wide viewing angles mean they perform well in all weather conditions, even in direct sunlight.

Pro Display will help you choose the right LED solution for your particular application and provide on going technical support throughout the buying process, from the initial proposal right through to the installation.

The range of outdoor screens are available in 6 different pixel formats (resolution).

PRODUCT SPECIFICATION

- Outdoor screens
- Pro Display / Panasonic
- Highest grade - LEDs
- Highest quality components
- 2 year comprehensive warranty
- Resolution – 10, 16, 22, 25, 30 and 40mm

APPLICATIONS

- Sports stadiums / arenas
- City centre advertising
- Shopping centres / malls
- Race tracks / visitor attractions
- Concerts / outdoor events
- Airports, bus & rail stations
- Exhibitions / conferences
SOUND TECHNOLOGY

SOUNPOD™ TRANSDUCER

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.

Simply attach the device to almost any surface – imagine turning your store window into a speaker, delivering your message and capturing the attention of passers by.

PRODUCT SPECIFICATION

• Colour - satin black
• Diameter 100mm (4”)
• Depth 45mm (1.75”)
• Weight – 1kg (2lb)
• Frequency: 20-20,000 Hz +/-3db
• Impedance – 8 ohms
• 20 watts RMS

The frequency will be affected by the size and thickness of the activated surface.

APPLICATIONS

• Invisible speaker systems
• Retail stores / POS displays
• Window displays
• Meeting rooms / offices
• Conferences / exhibitions

FLAT PANEL SPEAKERS

Flat panel speaker technology has seen major advances over the last couple of years. Our new range of high powered transducers produce significant output levels with a full-spectrum frequency response.

Pro Display offer two standard flat panel speaker systems with a range of optional canvass picture overlays. The overlays are available in a choice of finishes to blend into most environments (art images, pictures, and graphics). Both speakers will fill unusually large areas with clean and clear non-directional sound, due to their surprising dispersion characteristics, whilst their decorative appearance and flat construction allows them to be used in visually sensitive situations.

PRODUCT SPECIFICATION

• Operating range (1) 120Hz-21KHz (11) 60Hz-21KHz
• Max.input rating (1) 20 Watts (11) 80 Watts (AES)
• Max output – peak (1) 107dB (11) 114dB
• Nominal impedance – 8 ohms
• Signal processing (1) 100Hz (11) 50Hz
• Weight (1) 1.4kg (3.0lb) - (11) 3.6kg (7.9lb)

APPLICATIONS

• Bars / clubs
• Hotels / restaurants
• Conferences / exhibitions

• Retail stores / POS displays
• Meeting rooms / offices
• Home sound systems
Juicebox™ software from Pro Display is an easy and cost effective tool to design, manage and schedule advertising media / content on digital signage screen networks. This software allows increased revenue by creating and broadcasting your own dynamic advertisements to promote products / services. The adverts can be combined with music videos, sporting highlights and lifestyle clips to create more impact on the screens. Target your advertisements / promotions for specific times of the day or night and immediately watch your sales grow. Simply install onto your own Windows based PC platform.

**SOFTWARE PACKAGES**

**MASTER USER LICENSE – (HEAD OFFICE EDITION)**
The master user software license is a head office system which allows control over multiple sites (screen networks) from one location. The media can be deployed on a number of network platforms (LAN, modem, internet, satellite).

**SINGLE USER LICENSE – (ONE LOCATION)**
The single user software license can be loaded onto a single computer and control any number of screens in one location. To play different content on certain screens means additional licenses.

**PLAYER USER LICENSE – (EACH LOCATION)**
The player user software license is combined with the master license and installed at each location to replay media on a local screen network (sent remotely from head office).

Contact your local sales representative about the free 30 day Juicebox™ trial.

Pro Display also provides a range of hardware solutions to work hand in hand with our scheduling software. This includes the Juicebox media system (as pictured across), an ultra compact designer enclosure, incorporating a high performance PC / media platform (upgradeable). A solid and durable system which is available in a variety of colours, including colour coordinated keyboard, mouse and flat panel monitor.

The Juicebox™ software can also be loaded onto most Windows based PC systems and if required Pro Display can build a PC controller to meet your specific requirements. Many companies are looking to invest in the latest screen technologies (LCD displays, plasma monitors and projection screen solutions) and one of the major considerations is what will be shown on the screens.

The Juicebox™ software offers a number of standard screen templates with split screen formats to apply text and logos. A section of the screen is dedicated to media content in a number of different formats such as flash animation, digital video, still images or html. An additional scrolling banner at the bottom of the screen is used to highlight special messages or provide instant updates. Pro Display also offer a range of other services including – content creation and management, royalty free images, films, music videos and lifestyle clips.

**APPLICATIONS**

- Visitor attractions
- Airports, bus & rail stations
- Stadiums and arenas
- Financial centres / banks
- Cinemas and casinos
- Supermarkets
- Bars / clubs
- Retail stores
- Shopping centres / malls
- Hotels / restaurants
- Corporate communications
- Conference / exhibition centres
PRO DEALER SERVICES

SERVICES
Pro Display’s worldwide network of pro dealers and distributors can provide customers with a complete range of services and facilities to meet their specific requirements. In a world where effective communication is essential to every business we look forward to working with you, utilising technology and creativity to deliver outstanding solutions.

Our services are available to all businesses – we work directly with AV installers / integrators, IT companies, education specialists, manufacturers, rental / hire companies, construction companies, glass companies, architects and designers to provide innovative display solutions for business.

Pro Display also offer an OEM service to other manufacturers / screen companies who are looking to utilise our technology and re brand products under their own name.

SERVICES
• Consultancy
• Bespoke designs
• Complete solutions
• Installation
• Training / technical support

SCREEN RENTAL
Pro Display UK operates its own screen rental division - which hires a number of the technologies on display within this catalogue.

• LCD / DLP projectors
• Front projection screens
• Soundpods / flat speakers
• Plasma / LCD screens
• Rear projection screens
• LCD Glass screens
• Interactive screens
• LED displays

HARDWARE
The Pro Display network has vast knowledge and experience within the AV industry, providing customers with the complete display solution. Our vast range of display products will cover most industry applications and your local representative will be on hand to specify the correct products and technologies to meet your specific requirements.

Pro Display is a recognised screen partner with many of the projector manufacturers and AV hardware suppliers around the world. This means that our pro dealers and distributors can provide customers with a cost effective screen solution.

We offer a complete range of LCD / DLP projectors from most of the leading brands, plus AV control devices and distribution equipment. This includes hardware / software for wide format seamless projection screens (banners) and curved screen displays.

PRODUCT OVERVIEW
• LCD / DLP projectors
• Control systems
• Distribution equipment
• Scan converters / scalers
• Switches / amplifiers
• AV mounts / furniture

APPLICATIONS
• Integrated audiovisual systems
• Displays, projectors & presentation tools
• System control & management
• Media / content distribution
• Automation & lighting control
• Customization