

dnp Screens of the art™





The rear projection EXPERIENCE

Large screen projection adds new dimensions to the art of presentation. If a picture speaks more than a thousand words, moving images on large rear projection screens speak millions. They allow you to catch the undivided attention of your audience and pass on enhanced visual experiences.

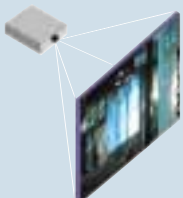
Although it only represents a small part of the total installation, the screen is the focal point of the display solution. A bad screen can ruin

the experience. A good screen dramatically enhances the perceived quality of the image.

Optical rear projection screens from dnp take you to the leading edge of presentation. They allow you to convey your messages in a quality that sets new standards for visual communication – and meet modern business demand for an aesthetic, well-designed and perfectly integrated display solution.

With dnp screens you can pass on information, share knowledge, monitor complex processes and sell products in new and more effective ways. And you can create impressive applications in environments where large screens have never been used before.

If you have something to say - show it.
Seeing is believing.



Rear projection

Rear projection means that the projector is placed behind the screen, shooting straight forward towards the audience. The optical screen controls the light path and distributes bright, sharp images into a predefined viewing zone. Furthermore, the presenter and the audience can stand in front of the image without casting shadows. And with the projection equipment hidden behind the screen, the viewing area remains quiet, clean and tidy.



With sizes up to 200" - more than 4 x 3 metres - dnp rear projection screens add new dimensions to large screen projection. dnp screens offer superior contrast and display bright, sharp and uniform images - even in brightly lit environments.

Get in visual control



A dnp screen is not a traditional screen. It is an advanced optical lens system which enables you to control the projected image. It lets you become a master of light.

While conventional front and rear projection screens spread the light in all directions, dnp screens enhance the image for optimum viewing by combining the focusing abilities of a Fresnel lens with the distributive properties of lenticular lenses. The result is up to 4 times higher brightness and extremely uniform images without “hot-spots” and dark corners.

But there is more to a great visual experience than pure power.

Contrast is the key to the perfect image - especially when using single lens projectors, which are often very bright, but have relatively poor black levels.

For use in brightly-lit rooms and outdoor environments, dnp has developed advanced contrast enhancement technologies - such as the Black Bead and Ultra Contrast filters. Technologies which improve the perceived contrast and black levels of your image.

From these technologies we have created the world’s most extensive range of screens - each offering a wide range of options.

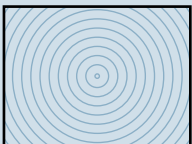
Depending on your application requirements, you have freedom to choose between special features, such as:

- = Enhanced contrast
- = Enhanced brightness
- = Enhanced image uniformity
- = Anti-Reflective or Non-Glare coatings
- = Ultra-short built-in depths
- = Screens optimized for single lens projectors

This is what we call visual control.

Optical screen technology

dnp screens combine advanced optical technologies by using a special composite technique. The Fresnel lens focuses the light and ensures perfect and uniform distribution of the projected image. Lenticular lenses control the horizontal and vertical light distribution. And by adding contrast special enhancement filters, the screens optimize the contrast and black level of the image.





The circular Fresnel lens consists of thousands of concentric lenses – each with its own unique profile as shown here in side view.



The lenticular lens consists of vertical profiles which control the light distribution and optimum viewing angles.



Contrast enhancement filters, such as the Ultra Contrast technology, absorb ambient light and increase the contrast of the image.



Windows of opportunities

The modern information society has created a huge demand for new powerful display media. Just a few years back, large screen projection was restricted to the confinements of dark rooms. But with dnp screens, the projection environment is no longer a problem. It is an opportunity.

dnp offers the world's most extensive range of optical rear projection screens for all environments: From brightly-lit conference rooms and control rooms to sizing sports arenas and dynamic displays for the rapidly growing Point of Sale market.

dnp screens can be built into walls and cubes, hung in free space or mounted in mobile retro boxes.



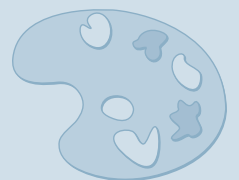
- = Conference rooms
- = Control rooms
- = Exhibitions
- = Point of Sale displays
- = Sports arenas
- = Casinos and bars
- = Simulators

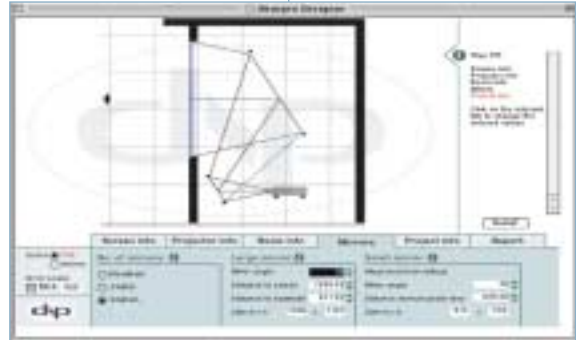
And each screen type gives you freedom to choose between several features – such as enhanced contrast, brightness, resolution and image uniformity.

This allows you to select a screen that meets the exact needs of your projector and installation environment. Yesterday the screen was the limit. Today it is your imagination!

Screens for all applications

The dnp product range includes 6 types of screens in sizes from 40" to 200" for all rear projection applications – each offering individual benefits in both size and specification: dnp Wide Angle, dnp New Wide Angle, dnp Giant Wide Angle, dnp Ultra Contrast, dnp Black Bead and dnp Holo Screen. Please contact your local dnp distributor for more details.





Extensive technical support

It is not a coincidence that dnp's distributors and dealers are among the most skilled professionals in the AV industry.

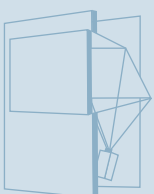
As a dnp partner you get access to a world of knowledge, tools and inside information, which allow you to create the perfect image.

dnp provides the most extensive R&D and technical support in the

rear pro screen industry. The members of our support team can help you specify the ideal screen and assist you with CAD drawings for the optimum installation.

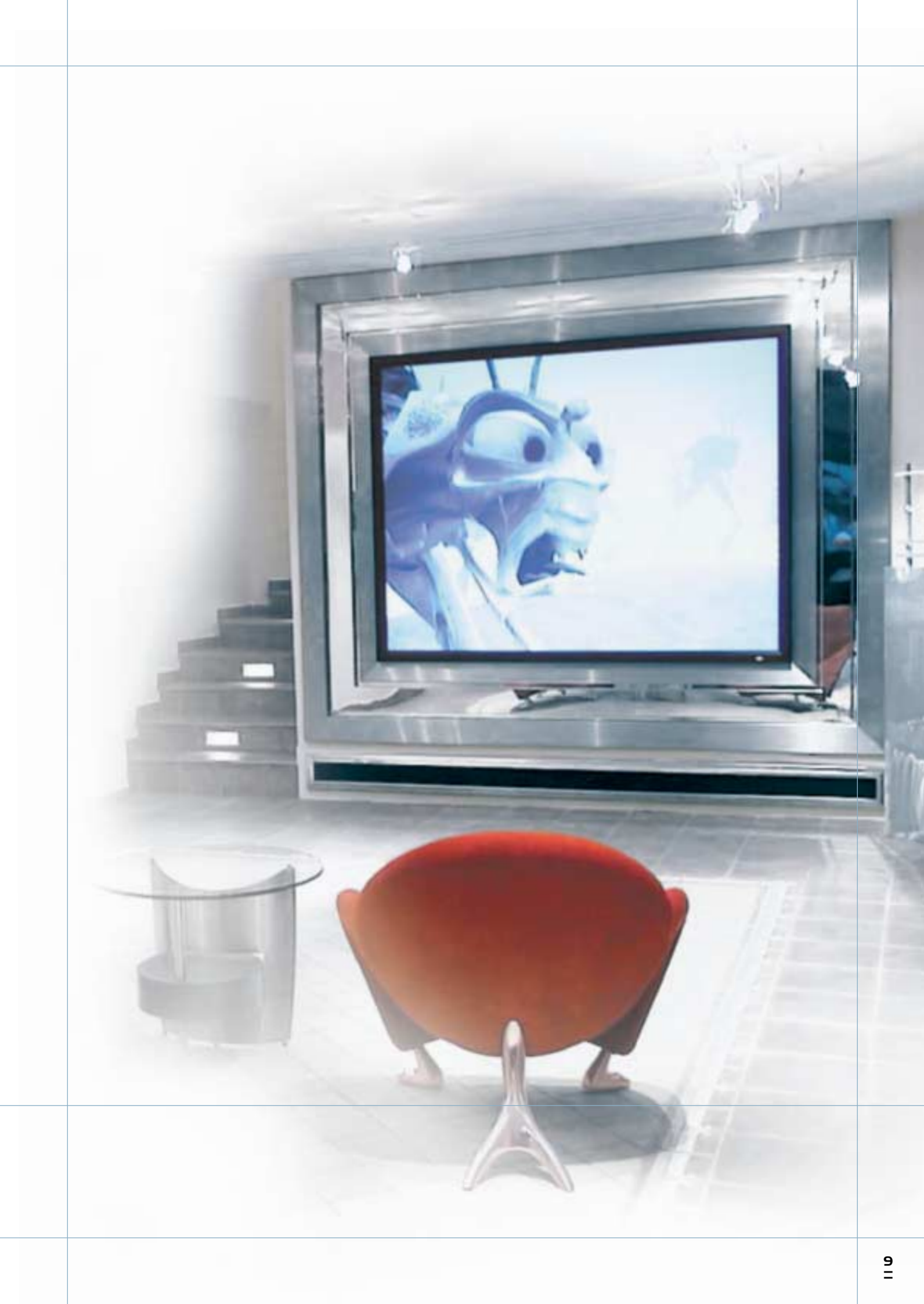
You will also benefit from exclusive technical seminars and product training sessions which provide hands-on experience with various projector and screen configurations in dnp's advanced showroom and demo facility.

As part of our development strategy, dnp has created some of the most advanced web-based services and support tools in the screen industry. As a selected dnp dealer you get access to the dnp VIP zone – including the dnp Rearpro Designer™, the extensive dnp Technical guide, our virtual Photo archive and a VIP news service, which keeps you on the competitive edge.



dnp Rearpro seminar

dnp's technical training takes the form of a Rearpro seminar of various levels that meet the participants' individual education requirements. So whether it is an engineer or an AV designer who needs detailed information and tools for advanced installation design, or a salesperson who needs basic information about screens, applications and market opportunities, the dnp Rearpro seminars will provide the participant with the necessary information.



A history of continuous innovation

dnp denmark was established in 1989 as the worldwide screen production centre of Dai Nippon Printing Co. Ltd – one of the world's largest printing and media companies with an annual turnover exceeding 13,000 million US\$.

Today, an innovative strategy has made dnp denmark the world's leading supplier of optical screen technology.

At dnp denmark, we believe in continuous development and the ability to adapt to new opportunities in a changing market. A strategy which combines key elements from Japanese and Western management philosophies.

For over a decade, every major development in the field of optical rear projection technology has come from our laboratories – including the invention of the New Wide Angle technology, the unique dnp Ultra Contrast Screen and the 200" dnp Giant Wide Angle, the world's largest optical screen!

dnp denmark invests more resources in R&D than any other screen supplier. And as market leader, we aim to



provide our dealers with the best technical support and the most innovative sales and marketing tools within the screen industry.

Contact us for further details or a product presentation. After all, seeing is believing.



Total Quality Management

The dnp Total Quality Management system guarantees extremely high and uniform product quality. The extremely sensitive production process takes place in a clinically clean, controlled environment. And every screen undergoes the strictest quality assurance checks before it leaves our factory.



www.dnp.dk

dnp denmark as
Skruegangen 2
DK - 2690 Karlslunde
Denmark
Tel: +45 46 16 51 00
Fax: +45 46 16 52 00

Dai Nippon Printing Co. Ltd.
1-5-17 Higashi-sakashita
Itabashi-ku, Tokyo
174 0042 Japan
Tel: +81-3-5970-4661
Fax: +81-3-5970-4663

DNP America, Inc.
7425 Mission Valley Rd. # 201
San Diego, CA 92108
USA
Tel: + 1 619 295 8111
Fax: + 1 619 295 7809



dnp denmark is the worldwide large screen centre of Dai Nippon Printing Co. Ltd – one of the world's largest printing and media companies. The DNP Group has a total annual turnover of 13 billion US\$.