

dnp Supernova™ Panorama



The Supernova Panorama Screen provides the widest seamless viewing experience of any optical projection screen on the market. Manufactured in one piece up to 1.5 m/5 ft tall and 10 m/33 ft wide, it is the ideal screen for edge-blending with multiple projectors. Applications include digital signage in airports, stations and shopping malls – or anywhere you need a large seamless screen in a brightly-lit environment.



dnp optical front projection screens

Supernova Panorama sets the scene for larger than life visual experiences. Based on dnp's award-winning optical screen technology it features high contrast filters that absorb ambient light and provide clear, sharp images – even in brightly-lit surroundings. The extra wide format, coupled with the superior image quality of optical dnp screen technology makes it the ultimate eye-catcher for advertising applications. With stunning, unbroken text and pictures you can capture and hold the attention of large audiences, even at a distance. The Supernova Panorama Screen is also suitable for “mission critical” control room applications where its minimal installation depth offers a significant space advantage. What's more, the screen's single, seamless surface makes designing display layouts easy and allows for edge-blending. And in situations where it matters most, the unprecedented contrast of a front-projection screen guarantees perfect image quality.

The Supernova Panorama Screen allows you to create wide seamless images using edge-blending with multiple projectors. It comes with a 120 mm black velvet frame and

special wall mounts for safe and precise installation. All screens are made to order, with a maximum image dimension of 1.5 x 10m/5 x 33ft. – add 120 mm for the frame. To facilitate transport, the screen is shipped disassembled with no part exceeding 4 m/12 ft. (Clear assembly instructions are provided).

- > Optical front projection for use with multiple projectors
- > Projection in brightly-lit surroundings
- > Screen size up to 1.5 m/5 ft x 10 m/33 ft
- > 100% seamless viewing experience
- > Allows edge-blending of projected images
- > Practical solution for transport and installation
- > Compatible with all standard projectors
- > +/- 85° horizontal half-gain angle
- > Full-colour balance conservation for 180° viewing cone

Application suitability	
Auditorium/sports arena	★ ★ ★ ★ ★
Conference room	★ ★ ★ ★
Control room	★ ★ ★ ★ ★ ★
TV studio	★ ★ ★ ★ ★
Advertising – in-store	★ ★ ★ ★ ★ ★
Advertising – window display	★
Home entertainment – bright living room	★ ★ ★
Home entertainment – darkened home theatre	★ ★ ★

dnp Supernova™ Panorama Specifications

Product details

Aspect ratio Any – customized screen sizes

Image area

Width	m	Up to 10
Height	m	Up to 1.5
Width	ft	Up to 33
Height	ft	Up to 5

Weight

Screen (approx. – depending on size)	kg/m ²	5
	lbs/ft ²	1

Projection information

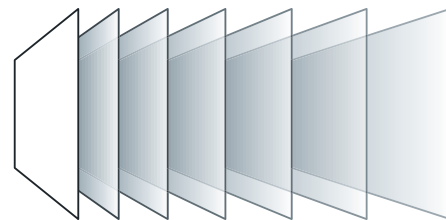
Minimum lens throw ratio	ltr	1.5:1
Minimum projection distance		ltr x image width

7 layers for up to 10 times more contrast

The Supernova Screen is made up of 7 high-tech layers that actively ensure a superior viewing experience. Layers include:

- > Unique optical lens film to reduce the impact of ambient light and thereby ensure better image contrast.
- > Technologically advanced reflection layer for revolutionary half-gain angles up to +/- 85°.
- > Black colour layer that sets new standards for colour reproduction.
- > Hard surface coating for screen scratch resistance and easy handling and a no-shimmer image.

These unique properties have earned Supernova o8-85 screen material ISF approval.



dnp Supernova™ Panorama **General information**

General information

Available screen material		08-85
Peak gain		0.8
Horizontal half-gain angle	°	85
Lens pitch	micron	65

Operating environment

Temperature	°C	10-40
	°F	50-104
Humidity (non-condensing)	%RH	10-70

Frame

Standard frame designs		Black velvet
Width	mm	120
Depth	mm	40
Width	inch	4.7
Depth	inch	1.6

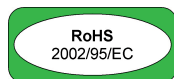
Shipping dimensions

Maximum length regardless of screen size	m	4
	ft	12

Included in the package

Screen roll, frame pieces, assembly accessories, cover strips, wall mounting kit, installation manual (EN)

Certificates



Awards

dnp optical screens have won numerous awards including the Best Buzz Award at InfoComm in 2005 and 2006, Honoree Awards at CES in 2006, 2007 and 2008, and the Exclte award at CEDIA US 2007.



Installation

The Supernova Panorama is compatible with all standard projectors. It comes with wall mounts and a black velvet frame to finish off this elegant and unique installation.