



The Supernova XL Screen is the world's largest optical front projection screen available as a single screen solution. Its size and optical performance are designed to satisfy even the most critical audiences. Impressive and affordable, the Supernova XL Screen is ideal for large venues such as big conference rooms, auditoriums and houses of worship.



dnp optical front
projection screens

Award-winning technology

The Supernova XL Screen features true optical lens technology for crisp high-contrast images without dimming the lights or pulling curtains. The award-winning Supernova 08-85 screen material is renowned for delivering best-in-class contrast and colour reproduction even in brightly lit environments. The extra large image area is obtained by joining together two sheets of optical film. The viewing area appears virtually seamless in use.

Perfectly flat image

The screen is ingeniously designed to maintain a geometrically flat and uniform image. A specially designed framing system keeps the optical screen material tensioned, while vertical and corner reinforcement bars, out of sight at the back, prevent frame sagging and twisting.

Smart transport and easy handling

The screen is designed to roll for lean transport and easier on-site handling. Supernova XL Screens are shipped in boxes only 600mm x 425mm (length determined by screen height) for easier handling and reduced transport costs. The screen can easily be assembled by two people in approximately 90 minutes, depending on skill level and screen size.

Sizes, formats and options

The Supernova XL Screen is available in any aspect ratio and image size up to 5,334mm (210") wide and 3,048mm (120") high. The screen is supplied as standard with an 86mm wide black frame. Frame options include black sand or black velvet for optimal light absorption.

- > Image size up to 5.3m x 3.0m (equivalent to 240" in 16:9)
- > Near "flat-screen" optical image quality*
- > Award-winning screen technology
- > Compliance with ANSI/INFOCOMM PISCR standard
- > Cost-effective solution
- > Perfectly flat image
- > Fold-and-roll solution for lean shipping and easy handling
- > Easy to install
- > Compatible with HD and 4K projectors

*with a suitable projector

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	★

PRODUCT DETAILS

PART NO.

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IMAGE FORMAT

Aspect ratio	16:9	Any
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SCREEN DIMENSIONS

		220"	Up to
Image Width	mm	4,877	5,334
Image Height	mm	2,743	3,048
Image Width	inch	192.0	210.0
Image Height	inch	108.0	120.0

OUTER DIMENSIONS

Width	mm	5,049	5,506
Height	mm	2,915	3,220
Depth	mm	60	60
Width	inch	198.8	216.8
Height	inch	114.8	126.8
Depth	inch	2.4	2.4

SHIPPING DIMENSIONS

Width	mm	600	600
Height	mm	425	425
Length	mm	3,125	3,430
Width	inch	23.6	23.6
Height	inch	16.7	16.7
Length	inch	123.0	135.0

WEIGHT

Total screen	kg	75	91
Shipping	kg	100	117
Total screen	lb	166	201
Shipping	lb	221	259

PROJECTOR INFORMATION

Minimum lens throw ratio	LTR	1.5:1	1.5:1
Minimum projection distance	mm	7,315	LTR x image width
	inch	288	

GENERAL INFORMATION

AVAILABLE SCREEN MATERIAL

Peak gain		0.8
Horizontal half-gain angle	°	85
Lens pitch	micron	65
Screen overlap section	mm	19
	inch	0.7

OPERATING ENVIRONMENT

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

FRAME OPTIONS

		Front frame	Side frame
00		Black sand	Black sand
10		Black velvet	Black sand
Frame width	mm	82	4
	inch	3.2	0.2

HANGING OPTIONS

Accessories		2x wall mounts
		2x magnets

INCLUDED IN THE PACKAGE

Screen material, frame members, support bars, assembly accessories, hanging accessories, installation manual

CERTIFICATES



AWARDS



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

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 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 08-85 screen material ISF approval.

