

The dnp Supernova Infinity is a modular screen system that creates exceptionally large-sized viewing experiences out of any number of Supernova Screen units. By fitting together Supernova Screens using a uniquely developed aluminium structure, the Supernova Infinity essentially transforms the revolutionary Supernova Screen into a building block for creating large-scale displays with endless size possibilities.



dnp optical front
projection screens

Award-winning Supernova Screens are advanced optical front projection screens. Outfitted with high-contrast filters that absorb ambient light, Supernova Screens provide extraordinarily clear images even in brightly lit surroundings such as conference rooms, shopping centres and exhibition halls. The large size of the Supernova Infinity coupled with the superior viewing qualities of optical projection make it possible to capture large audiences even from a great distance and at steep viewing angles.

The Supernova Infinity features ISF-certified Supernova 08-85 screen material for high contrast and extreme viewing angles. It is one of only a few screens in the world to have earned ISF approval. The modular construction is customized to the size and number of screens chosen and is quick and easy to assemble. Held together by a series of powerful magnets, the Supernova Infinity with 08-85 screen material provides a zero physical seam viewing experience and cost-efficient product. The Supernova Infinity makes soft-edge blending an option on an optical screen for the first time. Using multiple projectors to create bigger images without any worry of visible overlap opens the door to unlimited resolution. Supernova Infinity is outfitted with fire-retardant aluboards for higher safety.

- > Optical front projection
- > Projection in brightly lit surroundings
- > Unlimited screen size possibilities
- > Seamless viewing experience
- > Soft-edge blending possible
- > Easy installation
- > Compatible with all standard projectors
- > CNC precision-cut edges
- > Up to +/- 85° half-gain angle
- > Full-colour balance conservation for 180° viewing cone
- > ISF-certified screen material
- > 4K compatible
- > Fire-retardant aluboards

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

Product details

Aspect ratio Any – customized screen sizes

Screen dimensions

Width	Any – customized screen sizes	
Height	Any – customized screen sizes	
Depth (no floor stand)	mm	50
	inch	2

Weight

Screen	kg/m ²	12-17
(approx. – depending on size)	lbs/ft ²	2.5-3.5


Floor stand weight

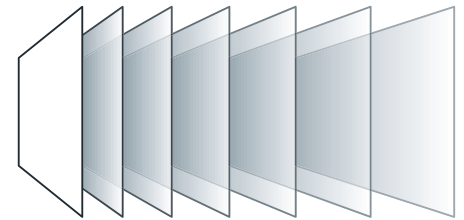
Foot support	kg	25
(approx. – depending on size)	lbs	55

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. 



General information

Available screen material		o8-85
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

Screen panel information

Image brightness difference between adjacent screen panels	%	max 3
Gap between adjacent screen panels	mm	max 0.30
	inch	max 0.01
Screen thickness	mm	3.5
	inch	0.14
ASTM E 84 fire rating		Class 2/B

Projection information

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

Front frame

Standard frame		Black velvet	
Optional		Silver alu	No frame
Frame width	mm	50	
	inch	2	

Options

Choose between	Wall mount system	Floor mount system	Ceiling mount system
----------------	-------------------	--------------------	----------------------

Included in the package

Support structure, screen panels, front frame, installation manual

Compatibility/Certificates



o8-85 screen material

Awards

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



Installation

The Supernova Infinity is compatible with all standard projectors and can be hung from the wall or ceiling or mounted onto a dnp floor stand. It comes with a uniquely developed, easy-to-handle aluminium frame in customized sizes or an elegant, black velvet frame to tastefully finish off a unique installation.