



The Supernova XL Screen is the world's largest optical front projection screen available as a tensioned screen solution. The large viewing area is made from two sheets of screen material with a very thin joint-line, which is virtually invisible with typical content and from normal viewing distance. 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 ALR 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 optimized for easier handling and reduced transport costs. The screen can easily be assembled by two people in approximately 75 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 230" in 16:9. The screen is supplied as standard with an 80mm wide black frame. Frame options include 4 different colours.

- > Image size up to 230" in 16:9
- > Near "flat-screen" optical image quality*
- > Available in 4 frame colours
- > Award-winning screen technology
- > Cost-effective solution
- > Perfectly flat image
- > Virtually seamless viewing. Joint-line of only 0.3mm [300 micron]
- > Disassembled frame solution for lean shipping and easy handling
- > Easy to install
- > 4K and 8K compatible

*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	★ ★
Education	★ ★ ★ ★ ★

Product details											
Aspect ratio		16:9 format					16:10 format				
Screen size	Diagonal	160"	180"	200"	220"	230"	160"	180"	200"	220"	
Part no.	BS frame	526 160 111	526 180 111	526 200 111	526 220 111	526 230 111	526 160 311	526 180 311	526 200 311	526 220 311	
	BV frame	526 160 112	526 180 112	526 200 112	526 220 112	526 230 112	526 160 312	526 180 312	526 200 312	526 220 312	
	SA frame	526 160 113	526 180 113	526 200 113	526 220 113	526 230 113	526 160 313	526 180 313	526 200 313	526 220 313	
	WS frame	526 160 114	526 180 114	526 200 114	526 220 114	526 230 114	526 160 314	526 180 314	526 200 314	526 220 314	
Screen dimensions											
Image width	mm	3542	3985	4428	4870	5092	3446	3877	4308	4739	
Image height	mm	1992	2241	2491	2740	2864	2154	2423	2692	2962	
Image width	inch	139,5	156,9	174,3	191,7	200,5	135,7	152,6	169,6	186,6	
Image height	inch	78,4	88,2	98,1	107,9	112,8	84,8	95,4	106,0	116,6	
Outside dimensions											
Width*	mm	3702	4145	4588	5030	5252	3606	4037	4468	4899	
Height*	mm	2152	2401	2651	2900	3024	2314	2583	2852	3122	
Depth	mm	46	46	46	46	46	46	46	46	46	
Width*	inch	145,8	163,2	180,6	198,0	206,8	142,0	158,9	175,9	192,9	
Height*	inch	84,7	94,5	104,4	114,2	119,1	91,1	101,7	112,3	122,9	
Depth	inch	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	1,8	
*) add 40 mm [1.6"] for 'Silver Alu' and 'White Sand' frame options											
Shipping dimensions											
Width	mm	500	500	500	500	500	500	500	500	500	
Height	mm	660	660	660	660	660	660	660	660	660	
Length*	mm	2368	2617	2867	3116	3240	2530	2799	3068	3338	
Width	inch	19,7	19,7	19,7	19,7	19,7	19,7	19,7	19,7	19,7	
Height	inch	26,0	26,0	26,0	26,0	26,0	26,0	26,0	26,0	26,0	
Length*	inch	93,2	103,1	112,9	122,7	127,6	99,6	110,2	120,8	131,4	
*) add 40 mm [1.6"] for 'Silver Alu' and 'White Sand' frame options											
Weight (approximate)											
Screen	kg	35	42	46	51	54	32	37	47	52	
Shipping	kg	110	122	135	145	150	115	125	141	151	
Screen	lb	77	93	101	112	119	71	82	104	115	
Shipping	lb	243	269	298	320	331	254	276	311	333	
*) add 5-6 kg (11-13 lbs) for 'Silver Alu' and 'White Sand' frame options											
Projector information											
Min. lens throw ratio	ltr	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	
Min. projection distance*	mm	5313	5977	6641	7306	7638	5169	5816	6462	7108	
Min. projection distance*	inch	17,4	19,6	21,8	24,0	25,1	17,0	19,1	21,2	23,3	
*) projector not higher than 105% above image center											

General information

Available screen material	o8-85	
Peak gain	0.8	
Horizontal half-gain angle	degrees	85
Lens pitch	micron	65
Center joint-line	mm	< 0.3
	micron	< 300
Image brightness difference between two sheets	%	< 3
Operating environment		
Temperature	°C	10-40
	°F	50-104
Humidity (non-condensing)	%RH	10-70

Frame options	Code	Front frame	Inner frame
	1	Black Sand	-
	2	Black Velvet	-
	3	Silver Alu	Black Velvet
	4	White Sand	Black Velvet
Frame width	mm	80	20
	inch	3,1	0,8

Hanging options	Standard	Optional
Method	Wall	Ceiling
Accessories	2x wall mounts 2x magnets	Ø3mm steel wire 2x rigging screws

Included in the package

Screen material, Frame members, Support bars, assembly accessories, hanging accessories, Installation Manual

Certificates and 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.

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 o8-85 screen material ISF approval. 

