



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 optimized 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 230" in 16:9. The screen is supplied as standard with an 86mm 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
- > 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
- > 4K 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	3710	4153	4596	5038	5260	3614	4045	4476	4907
Height*	mm	2160	2409	2659	2908	3032	2322	2591	2860	3130
Depth	mm	60	60	60	60	60	60	60	60	60
Width*	inch	146.1	163.5	180.9	198.4	207.1	142.3	159.3	176.2	193.2
Height*	inch	85.1	94.9	104.7	114.5	119.4	91.4	102.0	112.6	123.2
Depth	inch	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
*) add 40 mm [1.6"] for 'Silver Alu' and 'White Sand' frame options										
Shipping dimensions										
Width	mm	745	745	745	745	745	745	745	745	745
Height	mm	830	830	830	830	830	830	830	830	830
Length*	mm	2414	2663	2913	3162	3286	2576	2845	3114	3384
Width	inch	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
Height	inch	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
Length*	inch	95.1	104.9	114.7	124.5	129.4	101.4	112.0	122.6	133.2
*) add 40 mm [1.6"] for 'Silver Alu' and 'White Sand' frame options										
Weight (approximate)										
Screen	kg	49	56	62	68	72	50	56	63	69
Shipping	kg	152	169	185	202	211	159	177	195	213
Screen	lb	109	122	136	151	158	111	124	139	153
Shipping	lb	335	372	409	446	465	352	391	430	470
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		
Operating environment				
Temperature	°C	10-40		
	°F	50-104		
Humidity (non-condensing)	%RH	10-70		
Frame options				
	Code	Front frame	Side Frame	Inner frame
	1	Black Sand	Black Sand	-
	2	Black Velvet	Black Sand	-
	3	Silver Alu	Silver Alu	Black Velvet
	4	White Sand	White Sand	Black Velvet
Frame width				
	mm	80	4	20
	inch	3,1	0,2	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 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 o8-85 screen material ISF approval.

