



You appreciate a good deal, but you would never sacrifice quality. The dnp Supernova Core features an economical but elegant and smooth looking frame construction with screen performance that stands up to close examination on your wall and in your wallet.

The Supernova Core comes in a variety of sizes and with 4 different frame colours. We call it core value.



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. Ideal for home theatre use, the Supernova Core allows viewers to achieve high-quality front projection without a dedicated darkened room. The Supernova Core delivers the superior image quality of optical rear projection with a front projection screen's minimal space requirements and ease of installation. Supreme black levels are balanced with an ergonomic brightness level that prevents eyestrain and creates vivid images with full colour saturation and exceptional image detail.

The Supernova Core gives you a large, high-quality screen without a large investment. The screen is easily assembled, using a new tension system with extendible o-rings, following the detailed Installation guide that comes with the screen. The Supernova Core is available with ISF-certified Supernova 08-85 for high contrast and extreme viewing angles.

The screen is intended to hang on the wall (wall mounts are included) and is compatible with all standard projectors.

- > Optical front projection
- > Projection in brightly lit environments
- > Up to 7 times higher contrast than conventional front screens
- > Available in 4 frame colours
- > Award-winning screen technology
- > High-quality screen in an economical frame construction
- > Easy to assemble and install
- > Compact and robust transport crate for easy shipping
- > Compatible with all standard projectors
- > Screen sizes up to 120" in 16:9 and 110" in 16:10 format
- > ISF-certified screen material
- > 4K compatible

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	84"	92"	100"	110"	120"	84"	100"	110"	
Black Sand o8-85	Part no. 520 11 084 114	520 11 092 114	520 11 100 114	520 11 110 114	520 11 120 114	520 11 084 314	520 11 100 314	520 11 110 314	
Black Velvet o8-85	Part no. 520 11 084 115	520 11 092 115	520 11 100 115	520 11 110 115	520 11 120 115	520 11 084 315	520 11 100 315	520 11 110 315	
Silver Alu o8-85	Part no. 520 11 084 121	520 11 092 121	520 11 100 121	520 11 110 121	520 11 120 121	520 11 084 321	520 11 100 321	520 11 110 321	
White Sand o8-85	Part no. 520 11 084 134	520 11 092 134	520 11 100 134	520 11 110 134	520 11 120 134	520 11 084 334	520 11 100 334	520 11 110 334	
Black Sand 23-23	Part no. 520 13 084 114	520 13 092 114	520 13 100 114	520 13 110 114	520 13 120 114	520 13 084 314	520 13 100 314	520 13 110 314	
Black Velvet 23-23	Part no. 520 13 084 115	520 13 092 115	520 13 100 115	520 13 110 115	520 13 120 115	520 13 084 315	520 13 100 315	520 13 110 315	
Silver Alu 23-23	Part no. 520 13 084 121	520 13 092 121	520 13 100 121	520 13 110 121	520 13 120 121	520 13 084 321	520 13 100 321	520 13 110 321	
White Sand 23-23	Part no. 520 13 084 134	520 13 092 134	520 13 100 134	520 13 110 134	520 13 120 134	520 13 084 334	520 13 100 334	520 13 110 334	

Image area

Width	mm	1860	2037	2214	2435	2657	1809	2154	2369
Height	mm	1046	1146	1245	1370	1494	1131	1346	1481
Width	inch	73.2	80.2	87.2	95.9	104.6	71.2	84.8	93.3
Height	inch	41.2	45.1	49.0	53.9	58.8	44.5	53.0	58.3

Outer dimensions (including frame)

Width	mm	2020	2197	2374	2595	2817	1969	2314	2529
Height	mm	1206	1306	1405	1530	1654	1291	1506	1641
Width	inch	79.5	86.5	93.5	102.2	110.9	77.5	91.1	99.6
Height	inch	47.5	51.4	55.3	60.2	65.1	50.8	59.3	64.6

*) Add 40 mm [1.6"] for 'Silver Alu' and 'White Sand' frame options

Shipping dimensions

Length'	mm	2205	2382	2559	2780	3002	2154	2499	2714
Height	mm	315	315	315	315	315	315	315	315
Width	mm	275	275	275	275	275	275	275	275
Length'	inch	86.8	93.8	100.7	109.5	118.2	84.8	98.4	106.9
Height	inch	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
Width	inch	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8

*) Add 40 mm [1.6"] for 'Silver Alu' and 'White Sand' frame options

Weight (approximate)

Screen (net)	kg	14	15	16	18	20	14	17	18
Shipping (gross)	kg	19	20	22	24	26	19	22	24
Screen (net)	lbs	30	33	36	40	43	31	37	40
Shipping (gross)	lbs	41	45	48	53	58	41	49	53

Projection information (Supernova o8-85 screen material)

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
Min. projection distance	mm	2789	3055	3321	3653	3985	2714	3231	3554
	ft	9.2	10.0	10.9	12.0	13.1	8.9	10.6	11.7

Projection information (Supernova 23-23 screen material)

Min. lens throw ratio	ltr	1.8:1	1.8:1	1.8:1	1.8:1	1.8:1	1.8:1	1.8:1	1.8:1
Min. projection distance	mm	3347	3666	3985	4383	4782	3257	3877	4265
	ft	11.0	12.0	13.1	14.4	15.7	10.7	12.7	14.0

Subject to change without notice. Please check specification at time of ordering.

General information

Available screen material		o8-85	23-23
Peak gain		0.8	2.3
Horizontal half-gain angle	°	85	23
Lens pitch	micron	65	65

Frame		Black Sand	Black velvet	Silver Alu	White Sand	
Width	mm	80	80	100*	100*	*) Additional 20 mm [0.8"] inner black velvet masking frame on Silver Alu and White Sand frame options
Width	inch	3.1	3.1	3.9*	3.9*	
Depth	mm	30	30	30	30	
Depth	inch	1.2	1.2	1.2	1.2	

Operating environment

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

Included in the package

Screen roll, frame pieces, assembly accessories, wall mounting kit, installation guide

Optional

Floor stand

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 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 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.

