



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, complete with a black velvet frame that complements virtually any decor. 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
- > 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

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

Aspect ratio		84"	92"	100"	110"	16:9 format
Screen size						120"
Part no.	o8-85	5 084 2 000 16	5 092 2 000 16	5 100 2 000 16	5 110 2 000 16	5 120 2 000 16
Image area						
Width	mm	1860	2037	2214	2435	2657
Height	mm	1046	1146	1245	1370	1494
Width	inch	73.2	80.2	87.2	95.9	104.6
Height	inch	41.2	45.1	49.0	53.9	58.8
Outer dimensions (including frame)						
Width	mm	2020	2197	2374	2595	2817
Height	mm	1206	1306	1405	1530	1654
Width	inch	79.5	86.5	93.5	102.2	110.9
Height	inch	47.5	51.4	55.3	60.2	65.1
Shipping dimensions						
Length	mm	2205	2382	2559	2780	3002
Height	mm	315	315	315	315	315
Width	mm	275	275	275	275	275
Length	inch	86.6	93.8	100.7	109.5	118.2
Height	inch	12.4	12.4	12.4	12.4	12.4
Width	inch	10.8	10.8	10.8	10.8	10.8
Weight (approximate)						
Screen (net)	kg	14	15	16	18	20
Shipping (gross)	kg	19	20	22	24	26
Screen (net)	lbs	30	33	36	40	43
Shipping (gross)	lbs	41	45	48	53	58
Projection information (Supernova o8-85 screen material)						
Minimum lens throw ratio	ltr	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Minimum projection distance	mm	2789	3055	3321	3653	3985
	ft	9.2	10.0	10.9	12.0	13.1

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

Product details							
Aspect ratio				16:10 format			2.35:1 format
Screen size		84"	100"	110"	128"	142"	153"
Part no.	o8-85	5 084 2 000 46	5 100 2 000 46	5 110 2 000 46	5 128 2 000 56	5 142 2 000 56	5 153 2 000 56
Image area							
Width	mm	1809	2154	2369	2992	3319	3576
Height	mm	1131	1346	1481	1273	1412	1522
Width	inch	71.2	84.8	93.3	117.8	130.7	140.8
Height	inch	44.5	53.0	58.3	50.1	55.6	59.9
Outer dimensions (including frame)							
Width	mm	1969	2314	2529	3152	3479	3736
Height	mm	1291	1506	1641	1433	1572	1682
Width	inch	77.5	91.1	99.6	124.1	137.0	147.1
Height	inch	50.8	59.3	64.6	56.4	61.9	66.2
Shipping dimensions							
Length	mm	2154	2499	2714	3337	3664	3921
Height	mm	315	315	315	315	315	315
Width	mm	275	275	275	275	275	275
Length	inch	84.8	98.4	106.9	131.4	144.2	154.4
Height	inch	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
Weight (approximate)							
Screen (net)	kg	14	17	18	20	22	24
Shipping (gross)	kg	19	22	24	27	30	33
Screen (net)	lbs	31	37	40	44	49	53
Shipping (gross)	lbs	41	49	53	60	67	72
Projection information (Supernova o8-85 screen material)							
Minimum lens throw ratio	ltr	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Minimum projection distance*	mm	2714	3231	3554	3395	3766	4058
	ft	8.9	10.6	11.7	11.1	12.4	13.3

*Based on 16:9 screen width for 2.35:1 screens

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General information

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

Frame		
Standard frame designs		Black velvet
Width	mm	80
Depth	mm	30
Width	inch	3.1
Depth	inch	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

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.



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. 

