

You appreciate a good deal, but you would never sacrifice quality. The dnp Supernova Core features an economical 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 by the installer on site by inserting metal rods into pockets on the back of the flexible screen material. These rods connect with adjustable hooks on the back of the frame to hold the screen up and keep the screen surface perfectly tensioned. The Supernova Core is available in three types of screen materials: ISF-certified Supernova 08-85 for high contrast and extreme

viewing angles, Supernova 23-23 for high contrast and high brightness or Supernova 20-20 for ultra-high contrast and ultra-high brightness. 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 transport crate for easy shipping
- > Compatible with all standard projectors
- > Screen sizes up to 120" in 16:9, 100" in 4:3, 110" in 16:10 and 153" in 2.35:1 format
- > ISF-certified screen material available

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	★ ★ ★ ★ ★ ★

dnp Supernova™ Core Specifications

Product details

Aspect ratio		4:3 format					16:9 format	
Screen size		84"	100"	84"	92"	100"	120"	120"
Image area								
Width	mm	1707	2032	1860	2037	2214	2657	2657
Height	mm	1280	1524	1046	1146	1245	1494	1494
Width	inch	67,2	80,0	73,2	80,2	87,2	104,6	104,6
Height	inch	50,4	60,0	41,2	45,1	49,0	58,8	58,8
Outer dimensions (including frame)								
Width	mm	1867	2192	2020	2197	2374	2817	2817
Height	mm	1440	1684	1206	1306	1405	1654	1654
Width	inch	73,5	86,3	79,5	86,5	93,5	110,9	110,9
Height	inch	56,7	66,3	47,5	51,4	55,3	65,1	65,1
Shipping dimensions								
Length	mm	2100	2400	2200	2400	2600	3000	3000
Height	mm	220	220	220	220	220	220	220
Width	mm	310	310	310	310	310	310	310
Length	inch	82,7	94,5	86,6	94,5	102,4	118,1	118,1
Height	inch	8,7	8,7	8,7	8,7	8,7	8,7	8,7
Width	inch	12,2	12,2	12,2	12,2	12,2	12,2	12,2
Weight (approximate)								
Screen (net)	kg	11	13	10	11	12	15	15
Shipping (gross)	kg	19	22	19	20	22	26	26
Screen (net)	lbs	23	28	23	25	27	32	32
Shipping (gross)	lbs	41	48	41	45	49	58	58
Projection information (Supernova 08-85 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	1,5:1
Minimum projection distance*	mm	2560	3048	2789	3055	3321	3985	3985
	ft	8,4	10,0	9,2	10,0	10,9	13,1	13,1
Projection information (Supernova 20-20 and 23-23 screen materials)								
Minimum 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
Minimum projection distance***	mm	3072	3658	3347	3666	3985	4782	4782
	ft	10,1	12,0	11,0	12,0	13,1	15,7	15,7

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

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

dnp Supernova™ Core Specifications

Product details

Aspect ratio		84"	100"	16:10 format 110"	100"	114"	128"	142"	2.35:1 format 153"
Screen size									
Image area									
Width	mm	1809	2154	2369	2337	2664	2992	3319	3576
Height	mm	1131	1346	1481	995	1134	1273	1412	1522
Width	inch	71,2	84,8	93,3	92,0	104,9	117,8	130,7	140,8
Height	inch	44,5	53,0	58,3	39,2	44,6	50,1	55,6	59,9
Outer dimensions (including frame)									
Width	mm	1969	2314	2529	2497	2824	3152	3479	3736
Height	mm	1291	1506	1641	1155	1294	1433	1572	1682
Width	inch	77,5	91,1	99,6	98,3	111,2	124,1	137,0	147,1
Height	inch	50,8	59,3	64,6	45,5	50,9	56,4	61,9	66,2
Shipping dimensions									
Length	mm	2200	2600	3000	3000	3000	3400	3700	3900
Height	mm	220	220	220	220	220	300	300	300
Width	mm	310	310	310	310	310	400	400	400
Length	inch	86,6	102,4	118,1	118,1	118,1	133,9	145,7	153,5
Height	inch	8,7	8,7	8,7	8,7	8,7	11,8	11,8	11,8
Width	inch	12,2	12,2	12,2	12,2	12,2	15,7	15,7	15,7
Weight (approximate)									
Screen (net)	kg	10	12	14	12	13	15	17	18
Shipping (gross)	kg	19	22	25	23	25	56	61	65
Screen (net)	lbs	23	27	30	26	29	33	37	40
Shipping (gross)	lbs	42	49	56	51	55	123	135	143
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	1.5:1	1.5:1
Minimum projection distance*	mm	2714	3231	3554	2652	3023	3395	3766	4058
	ft	8,9	10,6	11,7	8,7	9,9	11,1	12,4	13,3
Projection information (Supernova 20-20 and 23-23 screen materials)									
Minimum 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
Minimum projection distance***	mm	3257	3877	4265	3183	3628	4074	4519	4869
	ft	10,7	12,7	14,0	10,4	11,9	13,4	14,8	16,0

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

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dnp Supernova™ Core **General information**

General information

Available screen material	08-85	20-20*	23-23
Peak gain	0.8	2.7	2.3
Horizontal half-gain angle	°	85	23
Lens pitch	micron	65	65

*) Available up to 114" in 2.35:1 aspect ratio

Frame

Standard frame designs		Black velvet
Width	mm	80
Depth	mm	40
Width	inch	3.1
Depth	inch	1.6

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, cover strips, wall mounting kit, installation manual (EN)

Optional

Floor stand

Certificates



o8-85 Screen material

Awards

dnp optical screens have won numerous awards including the Best Buzz Award at InfoComm in 2005 and 2006, Honoree Awards at CES in 2006, 2007 and 2008, and the Exclte award at CEDIA US 2007.

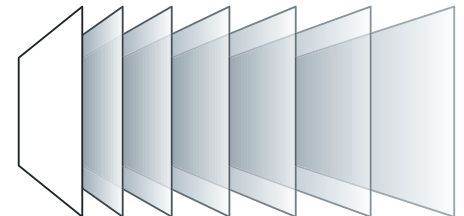


7 layers for up to 10 times more contrast

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.



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