

The dnp Supernova One is a revolutionary front projection screen that is ideal for brightly lit environments. Featuring an active high-contrast filter, the screen reflects the projected image while effectively absorbing incident light from other angles. The result is clear, crisp and colourful images with up to 7 times higher contrast than conventional front screens.



dnp optical front  
projection screens

With its stylish frame, robust design and superior picture quality, the dnp Supernova One screen is a perfect fit for a wide range of applications such as conference rooms, digital signage, education or even for your home entertainment system.

The dnp Supernova true ALR optical screen technology combats ambient light and enhances contrast and image quality. The result is clear, crisp images with full colour saturation without the use of blinds and the need to turn off the lights, which often cause eyestrain and make it hard for the audience to concentrate.

dnp Supernova One is compatible with all standard- and long throw projectors and is available in two types of screen materials: ISF-certified Supernova 08-85 for high contrast and wide viewing or Supernova 23-23 for high contrast and high brightness, both very durable and easy to clean.

dnp Supernova One screen comprises a fire-retardant backboard for safer installation and a surrounding frame in two elegant alternatives: Black Sand or Silver Alu. The screen is supplied pre-assembled, ready for easy installation.

- > Stylish slim frame design
- > Two standard frame options: Black Sand and Silver Alu
- > Standard sizes up to 120" in 16: 9 and 110" in 16:10
- > Available in portrait mode
- > Custom sizes available
- > Fire-Retardant backboard
- > True optical ALR technology
- > Unmatched performance in brightly lit environments
- > Up to 7 times higher contrast than conventional front screens
- > ISF-certified screen material available
- > For standard throw projectors
- > FHD, 4K, 8K compatible
- > Easy to install


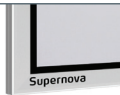
Application suitability	
Auditorium/sports arena	★ ★
Conference room	★ ★ ★ ★ ★ ★
Control room	★ ★ ★
TV studio	★ ★ ★
Advertising – in-store	★ ★ ★ ★
Advertising – window display	★
Home entertainment – bright living room	★ ★ ★ ★ ★
Education	★ ★ ★ ★ ★ ★

Product details						
Aspect ratio		16:10 format				16:9 format
Screen size		100"	110"	100"	110"	120"
Part no.	o8-85 + Black Sand	511 11 100 316	511 11 110 316	511 11 100 116	511 11 110 116	511 11 120 116
	o8-85 + Silver Alu	511 11 100 321	511 11 110 321	511 11 100 121	511 11 110 121	511 11 120 121
	23-23 + Black Sand	511 13 100 316	511 13 110 316	511 13 100 116	511 13 110 116	511 13 120 116
	23-23 + Silver Alu	511 13 100 321	511 13 110 321	511 13 100 121	511 13 110 121	511 13 120 121
Image area						
Width	mm	2154	2369	2214	2435	2657
Height	mm	1346	1481	1245	1370	1494
Width	inch	84,8	93,3	87,2	95,9	104,6
Height	inch	53,0	58,3	49,0	53,9	58,8
Outer dimensions (Black Sand)						
Width	mm	2194	2409	2254	2475	2697
Height	mm	1386	1521	1285	1410	1534
Width	inch	86,4	94,9	88,7	97,4	106,2
Height	inch	54,6	59,9	50,6	55,5	60,4
Outer dimensions (Silver Alu)						
Width	mm	2214	2429	2274	2495	2717
Height	mm	1406	1541	1305	1430	1554
Width	inch	87,2	95,6	89,5	98,2	107,0
Height	inch	55,4	60,7	51,4	56,3	61,2
Shipping dimensions						
Length	mm	3000	3000	2400	3000	3000
Width	mm	1850	1850	1450	1850	1850
Height	mm	130	130	110	130	130
Length	inch	118,1	118,1	94,5	118,1	118,1
Width	inch	72,8	72,8	57,1	72,8	72,8
Height	inch	5,1	5,1	4,3	5,1	5,1
Weight						
Screen (net)	kg	23	27	22	26	30
Shipping (gross)	kg	37	42	31	40	45
Screen (net)	lbs	50	60	48	57	67
Shipping (gross)	lbs	82	92	69	89	99
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 (3)	mm	3231	3554	3321	3653	3985
	ft	10,6	11,7	10,9	12,0	13,1
Projection information (Supernova 23-23 screen material)						
Minimum lens throw ratio	ltr	1.8:1	1.8:1	1.8:1	1.8:1	1.8:1
Minimum projection distance (3)	mm	3877	4265	3985	4383	4782
	ft	12,7	14,0	13,1	14,4	15,7

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

## General information

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

Frame		Black Sand	Silver Aluminium
			
Width	mm	20	20
	inch	0,8	0,8
Depth	mm	20	20
	inch	0,8	0,8
Black Velvet masking	mm	-	10
	inch	-	0,4

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

## Included in the package

Screen, Wall mounting kit, Installation manual (EN)

## Optional

Floor stand, ceiling hanging option, portrait mode, custom size, custom frame

## Compatibility/Certificates



08-85 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 08-85 screen material ISF approval. 

