SUPERNOVA™ ONE

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 vivid, sharp pictures with up to 10 times higher contrast and 2 times brighter images than conventional front screens.

The original Supernova

Supernova technology Award-winning Supernova Screens combine the superior image quality of optical rear projection with the minimal space requirements and installation ease of front projection. The Supernova One's advanced optical technology opens up vast new opportunities for quality viewing in brightly lit surroundings such as conference rooms, shopping centres and exhibition halls. For home entertainment purposes, it eliminates the need for a dedicated darkened room.

Easy on the eyes Conventional front screens operate with contrast ratios in the range of 2-3:1 at 500 LUX ambient light and are traditionally associated with dark rooms, curtains and window blinds. They reflect ambient light as much as the projector's light, creating poor contrast levels. These low contrast ratios often cause eyestrain – and make it hard for the audience to concentrate. The Supernova One is the world's first front projection screen to break the 15:1 contrast barrier, which is the empirical standard for acceptable contrast. It delivers clear, crisp images with full colour saturation and prevents eyestrain regardless of viewing position.

The Supernova One is compatible with all standard table or wall-mounted projectors and is available in two types of screen materials: ISF-certified Supernova 08-85 for high contrast and extreme viewing angles, or Supernova 20-20 for ultra-high contrast and high brightness. It is easy to install and can be hung from the wall or suspended from the ceiling. The screen is available in three elegant frame alternatives: silver-grey aluminium, black aluminium or black velvet.

FRONT PROJECTION SCREENS

- Optical front projection
- Projection in brightly lit environments
- Up to 2 times brighter images and 10 times higher contrast than conventional front screens
- Ergonomic viewing
- Award-winning screen technology
- Easy to install
- Compatible with all standard projectors
- Screen sizes up to 120" in 16:9 and 100" in 4:3 format
- ISF-certified screen material available

Supernova™ One specifications

PRODUCT DETAILS

Aspect ratio		4:3 format			16:9 format				
Screen size		72”	84”	100”	72”	84”	92”	100”	120”
Product no.	Silver alu + 20-20 screen material	5 072 1 000 00	5 084 1 000 00	5 100 1 000 00	5 072 1 000 10	5 084 1 000 10	5 092 1000 10	5 100 1 000 10	5 120 1 000 10
	Black alu + 20-20 screen material	5 072 1 000 01	5 084 1 000 01	5 100 1 000 01	5 072 1 000 11	5 084 1 000 11	5 092 1000 11	5 100 1 000 11	5 120 1 000 11
	Bl. velvet + 20-20 screen material	5 072 1 000 02	5 084 1 000 02	5 100 1 000 02	5 072 1 000 12	5 084 1 000 12	5 092 1000 12	5 100 1 000 12	5 120 1 000 12
	Silver alu + 08-85 screen material	5 072 1 000 05	5 084 1 000 05	5 100 1 000 05	5 072 1 000 15	5 084 1 000 15	5 092 1000 15	5 100 1 000 15	5 120 1 000 15
	Black alu + 08-85 screen material	5 072 1 000 06	5 084 1 000 06	5 100 1 000 06	5 072 1 000 16	5 084 1 000 16	5 092 1000 16	5 100 1 000 16	5 120 1 000 16
	Bl. velvet + 08-85 screen material	5 072 1 000 07	5 084 1 000 07	5 100 1 000 07	5 072 1 000 17	5 084 1 000 17	5 092 1000 17	5 100 1 000 17	5 120 1 000 17

IMAGE AREA

Width	mm	1463	1707	2020(1)	1594	1860	2037	2214	2657
Height	mm	1097	1280	1515(2)	897	1046	1146	1245	1494
Width	inch	57.6	67.2	79.5(1)	62.8	73.2	80.2	87.2	104.6
Height	inch	43.2	50.4	59.6(2)	35.3	41.2	45.1	49.0	58.8

OUTER DIMENSIONS (INCLUDING FRAME) - ALUMINIUM FRAME VERSION

Width	mm	1614	1858	2171	1745	2011	2188	2365	2808
Height	mm	1248	1431	1666	1048	1197	1297	1396	1645
Width	inch	63.5	73.1	85.5	68.7	79.2	86.1	93.1	110.5
Height	inch	49.1	56.3	65.6	41.2	47.1	51.0	55.0	64.8

OUTER DIMENSIONS (INCLUDING FRAME) - BLACK VELVET FRAME VERSION

Width	mm	1584	1828	2153	1715	1981	2158	2335	2778
Height	mm	1218	1401	1645	1018	1167	1267	1366	1615
Width	inch	62.4	72.0	84.8	67.5	78.0	84.9	91.9	109.4
Height	inch	48.0	55.2	64.8	40.1	45.9	49.9	53.8	63.6

WEIGHT

Net (screen)	kg	11.8	14.9	19.4	11.0	13.8	15.9	18.0	24.1
	lbs	26.1	32.9	42.7	24.3	30.5	35.0	39.8	53.0

PROJECTOR INFORMATION (SUPERNOVA 20-20 SCREEN MATERIAL)

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
	mm	2633	3072	3658	2869	3347	3666	3985	4782
	inch	103.7	121.0	144.0	113.0	131.8	144.3	156.9	188.3

PROJECTOR 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	1.5:1
	mm	2195	2560	3048	2391	2789	3055	3321	3985
	inch	86.4	100.8	120.0	94.1	109.8	120.3	130.7	156.9

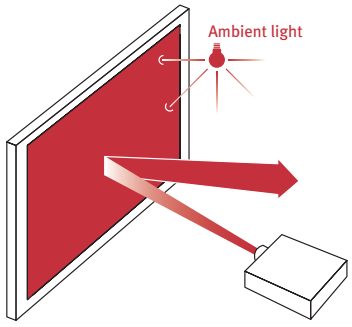
(1) Image width is different for velvet version: 2032 mm 80.0 inch
(2) Image height is different for velvet version: 1524 mm 60.0 inch

GENERAL INFORMATION

FRAME

Width	mm	60
Depth	mm	31
Width	inch	2.4
Depth	inch	1.2

Supernova Screens feature an active high-contrast filter that allows the projected image to be reflected while effectively absorbing incident light from other angles. This unique technology means the screen is virtually unaffected by diffused ambient light and is ideal for bright environments.

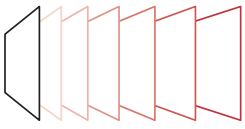


Compare for yourself This split-screen test uses a 2500 ANSI lumens LCD projector in a brightly lit environment (450 LUX ambient light measured on the screen surface). In the middle is a standard front screen. The top bar shows the Supernova 20-20 screen material. With its ultra-high contrast and high gain, it supports normal user situations in both dark and bright rooms with normal sized projectors. At the bottom is the Supernova ISF-certified 08-85 screen material, which features true, deep black levels, high contrast and extreme viewing angles especially for use in dark rooms but also in bright rooms combined with more powerful projectors.

7 LAYERS FOR UP TO 10 TIMES MORE CONTRAST

Supernova Screens are 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.



ISF-certified screen material available

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