



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. 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"

PRODUCT DETAILS

Aspect ratio		4:3 format			16:9 format				
Screen size		72"	84"	100"	72"	84"	92"	100"	120"
Product no.	Silver-grey aluminium frame	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 1 000 10	5 100 1 000 10	5 120 1 000 10
	Black aluminium frame	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 1 000 11	5 100 1 000 11	5 120 1 000 11
	Black velvet frame	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 1 000 12	5 100 1 000 12	5 120 1 000 12

IMAGE AREA

Width	mm	1463	1707	2023	1594	1860	2037	2214	2657
Height	mm	1097	1280	1524	897	1046	1146	1245	1494
Width	inch	57.6	67.2	80.0	62.8	73.2	80.2	87.2	104.6
Height	inch	43.2	50.4	60.0	35.3	41.2	45.1	49.0	58.8

OUTER DIMENSIONS (INCLUDING FRAME)

Width	mm	1614	1858	2174	1745	2011	2188	2365	2808
Height	mm	1248	1431	1666	1048	1197	1297	1396	1645
Width	inch	63.5	73.1	85.6	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

WEIGHT

Screen	kg	11.8	14.9	19.4	11.0	13.8	15.9	18.0	24.1
	lbs	26.0	32.8	42.8	24.3	30.4	35.1	39.7	53.1

PROJECTOR INFORMATION

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	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

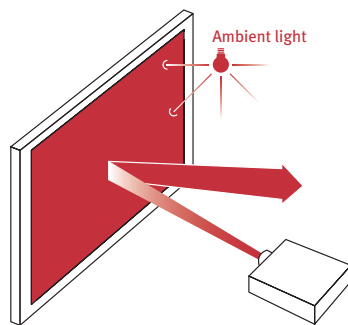
Subject to change without notice. Please check specifications at time of ordering.

GENERAL INFORMATION

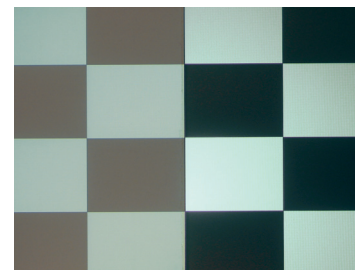
FRAME

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

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



Split-screen comparison of Supernova One (right half) and a standard front screen using a 1200 ANSI Lumen LCD projector in a brightly lit environment (350 lux measured at the screen centre). Supernova One's built-in filter ensures excellent image contrast and black levels. This results in more vivid colours and more detailed images.



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 patented 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 +/- 80°.
- 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.

