



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:g 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 |
| <b>Image area</b>   |       |                |                |                |                |                |
| 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           |
| <b>Outer dimensions (including frame)</b>                       |       |                |                |                |                |                |
| 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           |
| <b>Shipping dimensions</b>                                      |       |                |                |                |                |                |
| 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           |
| <b>Weight (approximate)</b>                                     |       |                |                |                |                |                |
| 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             |
| <b>Projection information (Supernova o8-85 screen material)</b> |       |                |                |                |                |                |
| 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.

