



The dnp New Wide Angle Screens (NWA) are a unique range of screens within the dnp Wide Angle Screen family – the world’s best selling optical rearpro screens for professional installations. The NWA Screen can be used in practically every rearpro application you can think of – plus a few others!



dnp optical rear projection screens

The NWA Screen offers true 180° horizontal viewing angles, high contrast and ultra-fine resolution and has a special dark tint, which enhances the contrast.

The NWA Screen is especially designed for single lens projectors (LCD, DLP etc.), which are very bright but many of which have relatively poor contrast. The NWA Screen has been optimized for these projectors to give excellent black levels, good contrast and colour saturation.

The NWA Screen is an optical single element system with 2 active lens surfaces. The screen features a special dark tint which enhances the contrast and colour depth of the image. The screen produces an optimum viewing area which is very wide horizontally and relatively narrow vertically.

- > Improved Wide Angle lens technology
- > Enhanced resolution
- > 180° horizontal viewing angle
- > High image brightness
- > Multiple options for focal length
- > Compatible with all standard projectors

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 NWA Screen™ Specifications

Product details

New Wide Angle Screen Type Screen size		NWA 1900 HC 84"	NWA 2300 HC 84"	NWA 1850 HC 100"	NWA 2300 HC 100"	NWA 2700 HC 100"
Dimensions						
Width	mm	1742 +/- 1	1742 +/- 1	2066 +/- 1	2066 +/- 1.5	2066 +/- 1.5
Height	mm	1317 +/- 1	1317 +/- 1	1560 +/- 1	1560 +/- 1.5	1560 +/- 1.5
Thickness	mm	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1
Weight	kg	15 +/- 10%	15 +/- 10%	21.7 +/- 10%	21.7 +/- 10%	21.7 +/- 10%
Width	inch	68.6 +/- 0.04	68.6 +/- 0.04	81.3 +/- 0.04	81.3 +/- 0.06	81.3 +/- 0.06
Height	inch	51.9 +/- 0.04	51.9 +/- 0.04	61.4 +/- 0.04	61.4 +/- 0.06	61.4 +/- 0.06
Thickness	inch	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04
Weight	lbs	33 +/- 10%	33 +/- 10%	47.7 +/- 10%	47.7 +/- 10%	47.7 +/- 10%
Image area						
Width	mm	1707	1707	2032	2032	2032
Height	mm	1280	1280	1524	1524	1524
Width	inch	67	67	80	80	80
Height	inch	50	50	60	60	60
Projection information						
Rec. lens throw ratio	ltr	1.0 - 1.4 : 1	1.2 - 1.7 : 1	0.8 - 1.1 : 1	1.0 - 1.4 : 1	1.2 - 1.7 : 1
Rec. projection distance*	mm	1710 - 2375	2070 - 2875	1665 - 2313	2070 - 2875	2430 - 3375
	inch	67 - 94	81 - 113	66 - 91	81 - 113	96 - 133
Optical specifications						
Focal length	mm	1900	2300	1850	2300	2700
Focal length	inch	75	91	73	91	106
New Wide Angle Screen Type						
Screen size		NWA 1850 HC 120"	NWA 2300 HC 120"	NWA 2700 HC 120"	NWA 3200 HC 120"	NWA 3200 HC 130"
Dimensions						
Width	mm	2472 +/- 1.5	2472 +/- 1.5	2472 +/- 1.5	2472 +/- 1.5	2675 +/- 1.5
Height	mm	1864 +/- 1.5	1864 +/- 1.5	1864 +/- 1.5	1864 +/- 1.5	2016 +/- 1.5
Thickness	mm	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1
Weight	kg	30.9 +/- 10%	30.9 +/- 10%	30.9 +/- 10%	30.9 +/- 10%	36.1 +/- 10%
Width	inch	97.3 +/- 0.06	97.3 +/- 0.06	97.3 +/- 0.06	97.3 +/- 0.06	105.3 +/- 0.06
Height	inch	73.4 +/- 0.06	73.4 +/- 0.06	73.4 +/- 0.06	73.4 +/- 0.06	79.4 +/- 0.06
Thickness	inch	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04
Weight	lbs	68 +/- 10%	68 +/- 10%	68 +/- 10%	68 +/- 10%	79.4 +/- 10%
Image area						
Width	mm	2438	2438	2438	2438	2642
Height	mm	1828	1828	1828	1828	1981
Width	inch	96	96	96	96	104
Height	inch	72	72	72	72	78
Projection information						
Rec. lens throw ratio	ltr	0.7 - 0.9 : 1	0.8 - 1.2 : 1	1.0 - 1.4 : 1	1.2 - 1.6 : 1	1.1 - 1.5 : 1
Rec. projection distance*	mm	1665 - 2313	2070 - 2875	2430 - 3375	2880 - 4000	2880 - 4000
	inch	66 - 91	81 - 113	96 - 133	113 - 157	113 - 157
Optical specifications						
Focal length	mm	1850	2300	2700	3200	3200
Focal length	inch	73	91	106	126	126

*General tolerance = -10/+25%, related to the actual screen focal length. The tolerance only applies to individual installations
Subject to change without notice. Please check specification at time of ordering.

dnp NWA Screen™ General information

General specifications

Optical specifications

Peak gain 3.5 +/- 0.5
Lenticular pitch 0.25

Operating environment

Temperature °C 5-35
°F 41-95
Humidity (non-condensing) %RH 30-70

Included in the package

Gloves, quality certificate

Certificates



Gain chart

