



The dnp Sigma Screen is a revolutionary new high-contrast screen in the dnp Wide Angle series, which is optimized for the bright, modern office environment. It is designed to deliver extremely high black levels, which dramatically enhances the perceived image contrast.



dnp optical rear projection screens

The hallmark of the Sigma Screen is its extremely high contrast. The screen features a special dark tint that enhances the perceived contrast of the projected image – and a matt, non-glare surface that effectively reduce reflections from ambient lighting.

The Sigma Screen series is available in sizes from 67" to 120" diagonal in 4:3 as the standard format. The screens can also be supplied in 16:9, 5:4 or individual formats on request. All screen sizes in the Sigma Screen series are available with different focal lengths. This allows design of very compact installations, or installations optimised for an ideal viewing zone. As standard, the screen is supplied without a frame. The screen can also be supplied pre-mounted in a special dnp aluminium frame. For more details see the dnp Image Builder™ rigs programme.

- > Wide horizontal viewing angles
- > Improved vertical viewing angles
- > High contrast
- > Non Glare surface
- > Enhanced sharpness
- > 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 Sigma Screen™ Specifications

Product details

Sigma Screen Type Screen size		Sigma 1400 84"	Sigma 1900 84"	Sigma 2300 84"	Sigma 1850 100"	Sigma 2300 100"
Dimensions						
Width	mm	1742 +/- 1	1742 +/- 1	1742 +/- 1	2066 +/- 1.5	2066 +/- 1.5
Height	mm	1317 +/- 1	1317 +/- 1	1317 +/- 1	1560 +/- 1.5	1560 +/- 1.5
Thickness	mm	4 +/- 1	4 +/- 1	4 +/- 1	5.5 +/- 1	5.5 +/- 1
Weight	kg	11 +/- 10%	11 +/- 10%	11 +/- 10%	22 +/- 10%	22 +/- 10%
Width	inch	68.6 +/- 0.04	68.6 +/- 0.04	68.6 +/- 0.04	81.3 +/- 0.06	81.3 +/- 0.06
Height	inch	51.9 +/- 0.04	51.9 +/- 0.04	51.9 +/- 0.04	61.4 +/- 0.06	61.4 +/- 0.06
Thickness	inch	0.16 +/- 0.04	0.16 +/- 0.04	0.16 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04
Weight	lbs	24.2 +/- 10%	24.2 +/- 10%	24.2 +/- 10%	48.4 +/- 10%	48.4 +/- 10%
Image area						
Width	mm	1707	1707	1707	2032	2032
Height	mm	1280	1280	1280	1524	1524
Width	inch	67	67	67	80	80
Height	inch	50	50	50	60	60
Projection information						
Rec. lens throw ratio	ltr	0.7 - 1.0 : 1	1.0 - 1.4 : 1	1.2 - 1.7 : 1	0.8 - 1.1 : 1	1.0 - 1.4 : 1
Rec. projection distance*	mm	1260 - 1750	1710 - 2375	2070 - 2875	1665 - 2313	2070 - 2875
	inch	50 - 69	67 - 94	81 - 113	66 - 91	81 - 113
Optical specifications						
Focal length	mm	1400	1900	2300	1850	2300
Focal length	inch	55	75	91	73	91
Product details						
Sigma Screen Type Screen size		Sigma 2700 100"	Sigma 1850 120"	Sigma 2300 120"	Sigma 2700 120"	Sigma 2700 120"
Dimensions						
Width	mm	2066 +/- 1.5	2472 +/- 1.5	2472 +/- 1.5	2472 +/- 1.5	2472 +/- 1.5
Height	mm	1560 +/- 1.5	1864 +/- 1.5	1864 +/- 1.5	1864 +/- 1.5	1864 +/- 1.5
Thickness	mm	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1	5.5 +/- 1
Weight	kg	22 +/- 10%	31 +/- 10%	31 +/- 10%	31 +/- 10%	31 +/- 10%
Width	inch	81.3 +/- 0.06	97.3 +/- 0.06	97.3 +/- 0.06	97.3 +/- 0.06	97.3 +/- 0.06
Height	inch	61.4 +/- 0.06	73.4 +/- 0.04	73.4 +/- 0.04	73.4 +/- 0.04	73.4 +/- 0.04
Thickness	inch	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04	0.22 +/- 0.04
Weight	lbs	48.4 +/- 10%	68.2 +/- 10%	68.2 +/- 10%	68.2 +/- 10%	68.2 +/- 10%
Image area						
Width	mm	2032	2438	2438	2438	2438
Height	mm	1524	1828	1828	1828	1828
Width	inch	80	96	96	96	96
Height	inch	60	72	72	72	72
Projection information						
Rec. lens throw ratio	ltr	1.2 - 1.7 : 1	0.7 - 0.9 : 1	0.8 - 1.2 : 1	1.0 - 1.4 : 1	1.0 - 1.4 : 1
Rec. projection distance*	mm	2430 - 3375	1665 - 2313	2070 - 2875	2430 - 3375	2430 - 3375
	inch	96 - 133	66 - 91	81 - 113	96 - 133	96 - 133
Optical specifications						
Focal length	mm	2700	1850	2300	2700	2700
Focal length	inch	106	73	91	106	106

*General tolerance = -10/+20%, 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 Sigma Screen™ General information

General specifications

Optical specifications

Peak gain 1.5 +/- 0.3
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

