dnp Optical Flat Screen

100" dnp *LaserPanel*™

dnp 100" LaserPanels provide a strong alternative to LED flat screen in meeting rooms, classrooms and even private homes. In the 90-100" range, they offer the most attractive size-cost-quality profile on today's market!

dnp optical flat screen

> 100" optical flat screen display in 16-9 format

> Optical screen and laser projection technology

> Optimized for comfortable viewing

> Full HD resolution (1920x1080p)

> One-box solution

> Touch version available

The most cost-effective 100" flat screen

dnp LaserPanels offer large high-contrast images at a fraction of the cost of an LED flat screen. They meet the users' demands for large easy-to-install display sizes while remaining affordable for companies, educational institutions and homeowners.

How it works

dnp LaserPanels are based on optical screen technology, and powered by a laser projector mounted over the screen, which shoots down from a steep angle. The display is mounted on the wall like LED flat screens. And since it is an ultra short throw solution, users never need to worry about stepping into the beam while presenting.

Optimized for comfortable viewing

dnp LaserPanels are optimized for comfortable viewing. This means that the brightness and contrast of the image is balanced to match the surrounding environment, so that the eye doesn't have to adapt constantly.

Easy to install one-box solution

The compact display can be fitted into any conference and meeting room. It is available as a one-box solution including laser projector, screen and projector mount (Touch version). All elements of the display can be mounted on the wall with the projector above or below the screen.

Touch screen option

The dnp LaserPanel is available in a standard version and a Touch version for interactive presentations. The dnp LaserPanel Touch is equipped with an interactive camera and IR pen.

What's in the boxes

A dnp Optical Flat Screen, dnp laser projector, IR remote control, mount (Touch version), installation guides, user manual, WiFi dongle (Touch version).

Application suitability	
Auditorium	★ ★ ★
Conference room	★ ★ ★ ★ ★ ★
Control room	★ ★
TV studio	★ ★ ★ ★
Advertising – in-store	★ ★ ★ ★ ★
Advertising – window display	★ ★ ★ ★
Home entertainment – bright living room	★ ★ ★ ★ ★
Home entertainment – darkened home theatre	★ ★ ★ ★

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100" dnp *Laser*Panel™

PRODUCT DETAILS

PRODUCT NO.

		750 001 0501	751 001 2912
TYPE		Standard	Touch
SCREEN SIZE		100	100
ASPECT RATIO		16:9	16:9
Resolution	pixels	1920x1080	1920x1080
Image brightness (normal/eco)	cd/m^2	170 / 110	310 / 200
Image brightness (normal/eco)	Ft-L	50 / 30	90 / 60
Recommended viewing cone	degrees	160	50
Screen type		soft	rigid
Screen lens technology		lenticular	circular
Projector position		below	below/above
Interactive camera		no	included
Interactive pens (x2)		no	included
Laser curtain (finger touch)		no	optional
Projector wall mount		optional	included
WiFi dongle		optional	included

SCREEN DETAILS

IMAGE AREA

Width	mm	2214	2214
Height	mm	1245	1245
Width	inch	87.2	87.2
Height	inch	49.0	49.0

FRAME INFO

Width	mm	10	20
Depth	mm	30	20
Width	inch	0.4	0.8
Depth	inch	1.2	0.8
Colour		Black	Black
Decor line (6 mm)		–	White

OUTSIDE DIMENSIONS (INCLUDING FRAME)

Width	mm	2234	2254
Height	mm	1265	1285
Width	inch	87.9	88.7
Height	inch	49.8	50.6

SHIPPING DIMENSIONS

TYPE		Standard	Touch
Screen box length	mm	1715	2354
Screen box width	mm	415	85
Screen box height	mm	405	1406
Screen box length	inch	67.5	92.7
Screen box width	inch	16.3	3.3
Screen box height	inch	15,9	55,4
Frame tube length	mm	2380	–
Frame tube diameter	mm	170	–
Frame tube length	inch	93.7	–
Frame tube diameter	inch	6.7	–

WEIGHT

Screen (net)	kg	11	22
Screen box (gross)	kg	12	33
Frame tube (gross)	kg	13	–
Screen (net)	lb	24	49
Screen box (gross)	lb	25	72
Frame tube (gross)	lb	29	–
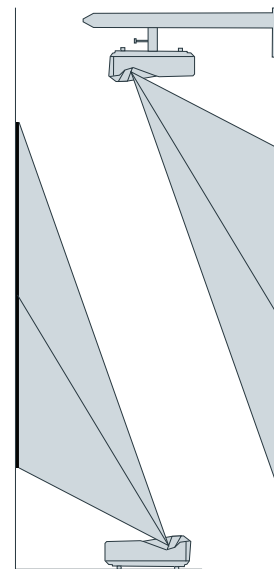
The standard version of the dnp LaserPanel is designed to be installed with the projector below the optical screen, The dnp LaserPanel Touch can be installed with the projector positioned either above or below it. In situations with high levels of ambient light, dnp recommends mounting the projector below the screen, so that images are projected upwards. In this position, ambient light is blocked from above, leading to even higher image contrast. Due to the asymmetrical lenses, correct orientation of the screen in relation to the projector is essential in all cases.

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PROJECTOR DETAILS

DIMENSIONS

Width	mm	382
Height	mm	126
Depth	mm	310
Width	inch	15.1
Height	inch	5.0
Depth	inch	12.2

FEATURES

Voltage		100-240 VAC 50/60 Hz, 3.5A
Maximum power consumption	W	335
Stand-by power consupmtion	W	< 0.5
Technology		DLP
Light source		Laser
Minimum life of light source	h	> 20,000
HDMI input		x2
VGA input		x1
VGA input/output		x1
Composite video input		x1
Composite audio input		x1
Microphone (3.5mm mini-jack)		x1
Audio (3.5mm mini-jack) input		x1
RS-232		x1
USB		x1
RJ45		x1
3D		Yes
Start-up time	s	10
Shut-down time	s	6
Feet adjustment	mm	20
	inch	0.8

POSITIONING

| Front of projector to screen front (x)	mm	635
Bottom of projector to image start (y)	mm	330
Front of projector to screen front (x)	inch	25.0
Bottom of projector to image start (y)	inch	13.0

SHIPPING DIMENSIONS

Projector box length	mm	483
Projector box width	mm	420
Projector box height	mm	328
Projector box length	inch	19.0
Projector box width	inch	16.5
Projector box height	inch	12.9

WEIGHT

Projector (net)	kg	6
Projector box (gross)	kg	8
Projector (net)	lb	12
Projector box (gross)	lb	18

740 mm

310 mm

635 mm

330 mm

1245 mm

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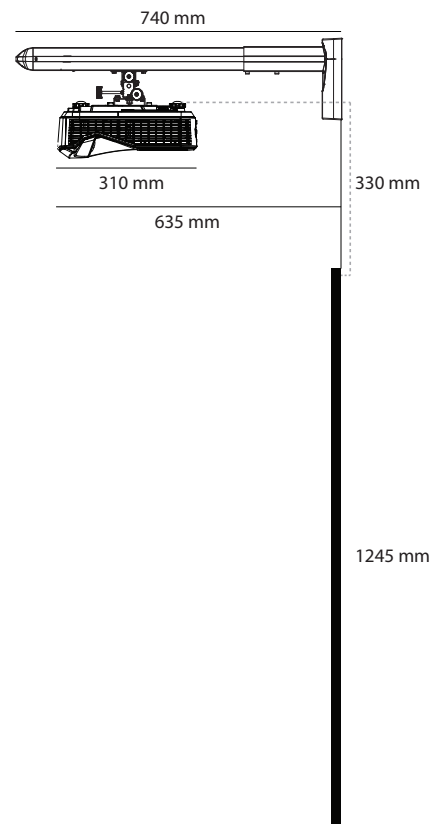
WALL MOUNT DETAILS

DIMENSIONS

Length	mm	740
Height	mm	210
Width	mm	110
Width	inch	29.1
Height	inch	8.3
Depth	inch	4.3

SHIPPING DIMENSIONS

Length	mm	730
Height	mm	280
Width	mm	145
Width	inch	28.7
Height	inch	11.0
Depth	inch	5.7

WEIGHT

Mount (net)	kg	3
Mount box (gross)	kg	4
Mount (net)	lb	7
Mount box (gross)	lb	9

DESIGN

Alu arm colour		Silver
Plastic cover colour		White

GENERAL INFORMATION

OPERATING ENVIRONMENT

Temperature	°C	10-40
	°F	50-104
	%RH	10-70

CERTIFICATES

CE · cULus · CCC · FC · RoHS

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