

dnp Module Building System™



dnp Module Building System™ (MBS) is a seamless frame system for multi-screen applications in TV studios, video conferencing suites and small control rooms. The zero-seam frame system is designed for easy on-site assembly to reduce cost and hassle.

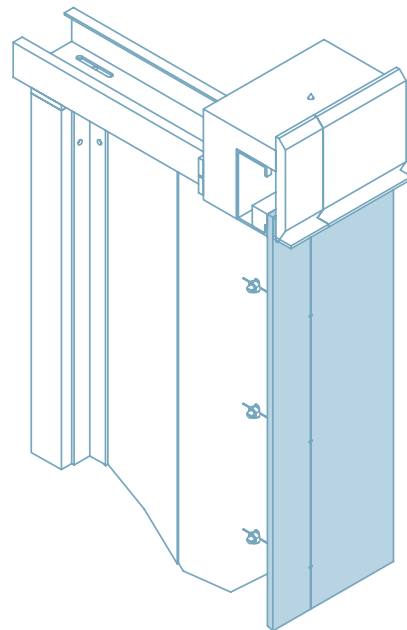
dnp MBS is the ideal frame solution if you want to create an extra wide and perfectly uniform large screen display. The system allows you to install two, three or more dnp screens side-by-side. E.g. a seamless 20 x 3 metre control display wall comprising five 200" dnp Giant Wide Angle Screens, or a five metres wide video conferencing display with two 120" dnp New Wide Angle Screens.

The dnp MBS is engineered for perfect alignment of precision-cut dnp screens with no physical seams and minimal optical seams between neighbouring screens.

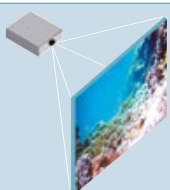
The unique baffle system keeps the screens in perfect position and prevents stray light from a projector from hitting the neighbouring screen. Furthermore, the MBS

features a special suspension system that allows screens to expand and contract. This prevents seam separation caused by changes in room temperature and humidity.

- = Seamless side-by-side framing of dnp rear projection screens
- = Zero physical seam and minimal optical seam
- = Full building flexibility – from 2 to any number of screens horizontally
- = Module sizes from 84" to 200"
- = Compatible with five dnp screen types (NWA, GWA, GWA-TV, Alpha and Sigma)
- = Easy to install, only standard hand tools required



The seamless connection of screens is made possible by a system of easy-to-mount baffle plates. The baffles keep the screens together and prevent stray light from projectors from hitting neighbouring screens in the set-up. The result is a perfectly uniform horizontal display wall.



Rear projection

Rear projection means that the projector is placed behind the screen, shining straight forward towards the audience. The optical screen controls the light path and distributes bright, sharp images into a predefined viewing zone. Furthermore, the presenter and the audience can stand in front of the image without casting shadows. And with the projector equipment hidden behind the screen, the viewing area remains quiet, clean and tidy.

Module specifications

dnp Module Building System Type no.		1 x 2 84" 1915	1 x 2 100" 1920	1 x 2 120" 1925	1 x 2 160" 1930	1 x 2 200" 1935
Image area						
Width	mm	3414	4064	4877	6502	8047
	inch	134.41	160.00	192.01	255.98	316.81
Height	mm	1280	1524	1829	2438	3018
	inch	50.39	60.00	72.01	95.98	118.82
Wall aperture						
Width	mm	3574	4224	5037	6662	8207
	inch	140.71	166.30	198.31	262.28	323.11
Height	mm	1481	1745	2050	2659	3239
	inch	58.31	68.70	80.71	104.69	127.52
Outside frame						
Width	mm	3674	4324	5137	6762	8307
	inch	144.65	170.24	202.24	266.22	327.05
Height	mm	1550	1814	2119	2728	3308
	inch	61.02	71.42	83.43	107.40	130.24
Weight of system including screens	kg	64	86	113	235	338
	lbs	141.09	189.60	249.12	518.08	745.15
Dimensions						
Rec. min. lens throw		1,2:1	1,2:1	1,2:1	1,2:1	1,2:1
Maximum lens throw		1,8:1	1,8:1	1,8:1	1,8:1	1,8:1
dnp Module Building System Type no.		1 extra 84" module 1940	1 extra 100" module 1945	1 extra 120" module 1950	1 extra 160" module 1955	1 extra 200" module 1960
Image area						
Width	mm	1707	2032	2439	3251	4024
	inch	67.20	80.00	96.02	127.99	158.43
Height	mm	1280	1524	1829	2438	3018
	inch	50.39	60.00	72.01	95.98	118.82
Wall aperture						
Width	mm	1707	2032	2439	3251	4024
	inch	67.20	80.00	96.02	127.99	158.43
Height	mm	1481	1745	2050	2659	3239
	inch	58.31	68.70	80.71	104.69	127.52
Outside frame						
Width	mm	1707	2032	2439	3251	4024
	inch	67.20	80.00	96.02	127.99	158.43
Height	mm	1550	1814	2119	2728	3308
	inch	61.02	71.42	83.43	107.40	130.24
Weight of system including screens	kg	29	39	51	107	154
	lbs	63.93	85.98	112.43	235.89	339.51

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

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Screen – module compatibility

dnp MBS modules are available in five standard sizes – all in 4:3 aspect ratio – offering choice between different screen types.

Screens for 84" - 120" modules

The 84", 100" and 120" modules are available with dnp New Wide Angle, dnp Alpha and dnp Sigma Screens.

Screens for 160" - 200" modules

For 160" and 200" modules you can choose between the

dnp Giant Wide Angle or the dnp GWA TV-Studio version. Other configurations can be customized on request.

The dnp MBS is designed for easy on-site assembly and allows for individual transportation of screens to reduce cost and installation hassle. The dnp MBS is supplied with detailed and fully illustrated assembly instructions, which can also be downloaded from www.dnp.dk. You only need to bring standard hand tools to the installation site in order to mount the system.

dnp denmark is the worldwide large screen centre of Dai Nippon Printing Co. Ltd – one of the world's largest printing and media companies. The DNP Group has a total annual turnover of 13 billion US\$.

www.dnp.dk

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Screens of the art