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.

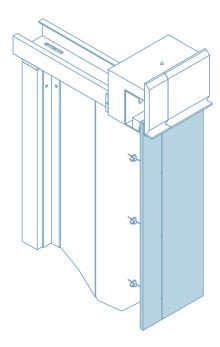
dnp MBS is the ideal frame solution if you want to create an extra wide and perfectly uniform large screen display. The system allows you to install two, three or more dnp screens side-by-side. E.g. a seamless 20 x 3 metre control display wall comprising five 200" dnp Giant Wide Angle Screens, or a five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

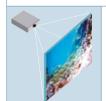
The unique baffle system keeps the screens in perfect position and prevents stray light from a projector from hitting the neighbouring screen. Furthermore, the MBS

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 Syst	tem Tupe	lx 2 84"	1x2 100"	1x2 120"	1x2 160"	1x2 200
	no.	1915	1920	1925	1930	193!
Image area						
Width	mm	3414	4064	4877	6502	804
	inch	134.41	160.00	192.01	255.98	316.8
Height	mm	1280	1524	1829	2438	301
	inch	50.39	60.00	72.01	95.98	118.8
Wall aperture						
Width	mm	3574	4224	5037	6662	820
	inch	140.71	166.30	198.31	262.28	323.
Height	mm	1481	1745	2050	2659	323
	inch	58.31	68.70	80.71	104.69	127.5
Outside frame						
Width	mm	3674	4324	5137	6762	830
	inch	144.65	170.24	202.24	266.22	327.0
Height	mm	1550	1814	2119	2728	330
	inch	61.02	71.42	83.43	107.40	130.2
Weight of system	kg	64	86	II3	235	33
including screens	lbs	141.09	189.60	249.12	518.08	745.
Dimensions		l				
Rec. min. lens trow		1,2:1	1,2:1	1,2:1	1,2:1	1,5
ricc. IIIII. Iciis ti ou		1,	1,⊑:1	1,⊑:1	1,⊑:1	1,5
Maximum lens trow		1,8:1	1,8:1	1,8:1	1,8:1	1,8
Maximum lens trow		I,8: I	1,8:1	1,8:1	1,8:1	1,8
		I,8:I	I,8:1	I,8:1	I,8:1	I extra 200" mode
Maximum lens trow	tem Type no.	I,8: I	1,8:1	1,8:1	1,8:1	l extra 200" modi
Maximum lens trow		I,8:I	I,8:1	I,8:1	I,8:1	l extra 200" modi
Maximum lens trou dnp Module Building Syst	no.	I,8:1 I extra 84" module 1940	I,8:I I extra 100" module 1945	1,8:1 extra 120" module 1950	I,8:1 I extra 160" module 1955	l extra 200" mod 191
Maximum lens trow	no.	I,8:1 I extra 84" module 1940	I,8:I I extra 100" module 1945	I,8:1 I extra I20" module 1950	I,8:1 I extra 160" module 1955	I extra 200" mod 191 40i
Maximum lens trou dnp Module Building Syst Image area Width	mm inch	I,8:I I extra 84" module I940 I707 67.20	I,8:1 I extra 100" module 1945 2032 80.00	I,8:1 I extra I20" module I950 2439 96.02	I,8:1 I extra 160" module 1955 3251 127.99	1,; 1 extra 200" mod 19: 40: 158.
Maximum lens trou dnp Module Building Syst	no.	I,8:1 I extra 84" module 1940	I,8:I I extra 100" module 1945	I,8:1 I extra I20" module 1950	I,8:1 I extra 160" module 1955	1,3 1 extra 200" mod 190 400 158.
Maximum lens trou dnp Module Building Syst Image area Width	mm inch mm	I,8:I I extra 84" module I940 I707 67:20 I280	1,8:1 1 extra 100" module 1945 2032 80.00 1524	1,8:1 1 extra 120" module 1950 2439 96.02 1829	I,8:1 I extra 160" module 1955 3251 127.99 2438	1,3 1 extra 200" mod 190 400 158.
Maximum lens trow dnp Module Building Syst Image area Width Height	mm inch mm	I,8:I I extra 84" module I940 I707 67:20 I280	1,8:1 1 extra 100" module 1945 2032 80.00 1524	1,8:1 1 extra 120" module 1950 2439 96.02 1829	I,8:1 I extra 160" module 1955 3251 127.99 2438	1, 1 extra 200" mod 19: 40: 158. 30 118.
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture	mm inch mm inch	I,8:I I extra 84" module I940 I707 67:20 I280 50:39	1,8:1 1 extra 100" module 1945 2032 80.00 1524 60.00	I,8:1 I extra I20" module I950 2439 96.02 I829 72.01	I,8:1 I extra 160" module 1955 3251 127.99 2438 95.98	1,3 1 extra 200" mod 199 400 158. 30 118.3
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture	mm inch mm inch	I,8:I I extra 84" module I940 I707 67:20 I280 50:39	1,8:1 1 extra 100" module 1945 2032 80.00 1524 60.00	I,8:1 I extra I20" module 1950 2439 96.02 1829 72.01	I,8:1 I extra 160" module 1955 3251 127.99 2438 95.98	1,3 1 extra 200" mod 199 400 118.3 400 118.3
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture Width	mm inch	I,8:I I extra 84" module I940 I707 67:20 I280 50.39	1,8:1 1 extra 100" module 1945 2032 80.00 1524 60.00 2032 80.00	I,8:1 I extra I20" module 1950 2439 96.02 1829 72.01 2439 96.02	I,8:1 I extra I60" module 1955 3251 127.99 2438 95.98	1, extra 200" mode 194 400 158.4 300 118.6 400 158.4 32:
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture Width	mm inch mm inch mm	I,8:1 I extra 84" module 1940 1707 67:20 1280 50.39 1707 67:20 1481	I,8:1 I extra 100" module 1945 2032 80.00 1524 60.00 2032 80.00 1745	1,8:1 I extra 120" module 1950 2439 96.02 1829 72.01 2439 96.02 2050	1,8:1 1 extra 150" module 1955 3251 127.99 2438 95.98 3251 127.99 2659	1, extra 200" mode 194 400 158.4 300 118.6 400 158.4 32:
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture Width Height	mm inch mm inch mm	I,8:1 I extra 84" module 1940 1707 67:20 1280 50.39 1707 67:20 1481	I,8:1 I extra 100" module 1945 2032 80.00 1524 60.00 2032 80.00 1745	1,8:1 I extra 120" module 1950 2439 96.02 1829 72.01 2439 96.02 2050	1,8:1 1 extra 150" module 1955 3251 127.99 2438 95.98 3251 127.99 2659	400 1184 400 1584 400 1584 300 1184 400 1584 323 1275
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture Width Height Outside frame	mm inch mm inch mm inch	I,8:1 I extra 84" module 1940 1707 67:20 1280 50:39 1707 67:20 1481 58:31	I,8:1 I extra 100" module 1945 2032 80.00 1524 60.00 2032 80.00 1745 68.70	I,8:1 I extra 120" module 1950 2439 96.02 1829 72.01 2439 96.02 2050 80.71	I,8:1 I extra 160" module 1955 3251 127.99 2438 95.98 3251 127.99 2659 104.69	400 158.4 300 118.6 400 127.9 400
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture Width Height Outside frame	mm inch mm inch mm	I,8:1 I extra 84" module 1940 1707 67:20 1280 50:39 1707 67:20 1481 58:31	I,8:1 I extra 100" module 1945 2032 80.00 1524 60.00 2032 80.00 1745 68.70	1,8:1 I extra 120" module 1950 2439 96.02 1829 72.01 2439 96.02 2050 80.71	I,8:1 I extra 150" module 1955 3251 127.99 2438 95.98 3251 127.99 2659 104.69	1,1 1 extra 200" mode 196 406 158.4 30 118.6 406 158.2 127.9 406 158.4
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture Width Height Outside frame Width	mm inch mm inch mm inch	I,8:1 I extra 84" module 1940 I707 67:20 I280 50:39 I707 67:20 I481 58:31	I,8:1 I extra 100" module 1945 2032 80.00 1524 60.00 2032 80.00 1745 68.70	1,8:1 I extra 120" module 1950 2439 96.02 1829 72.01 2439 96.02 2050 80.71	I,8:1 I extra 150" module 1955 3251 127.99 2438 95.98 3251 127.99 2659 104.69	1, extra 200" mode 196 402 158.4 30 118.8 402 158.4 32: 127.5 402 158.4 33:
Maximum lens trow dnp Module Building Syst Image area Width Height Wall aperture Width Height Outside frame Width	mm inch mm inch mm inch mm	I,8:1 I extra 84" module 1940 I707 67:20 I280 50:39 I707 67:20 I481 58:31	I,8:1 I extra 100" module 1945 2032 80.00 I524 60.00 2032 80.00 I745 68.70 2032 80.00 I814	2439 96.02 1829 72.01 2439 96.02 2050 80.71	I,8:1 I extra 160" module 1955 3251 127.99 2438 95.98 3251 127.99 2659 104.69 3251 127.99 2728	·

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\$.

