

This guide provides information regarding the possible limitations (based on product series) encountered when building video walls with N-Series products.

N2300

The N2300 series has a built-in video wall function that is used to crop the image. The video wall function has a built-in limitation of 16x8 (rows x columns).

The video wall for the N2300 has been tested and passed under the following circumstances from a 1x1 to a 16x8 video wall:

- 1. 2160p30 input with Decoders scaled to 1080p60
- 2. 2160p30 input with Decoders scaled to 2160p30
- 3. 1080p input with Decoders scaled to 1080p60

N2400/N2050

The N2400 series and N2050 series have no known video wall/crop limitations. Video walls up to 10x10 have been successfully tested as well as single digit crop references. It is recommended that any attempts at a wall greater than 10x10 should be verified before installation/purchase.

N1x22/N1x33 MPC/Non MPC and N2x22/N2x35

The following limitations were found using Wall Builder within N-Command, with either an input of 1080p60 with the Decoders scaled to 1080p60 or an input of 720p60 with the Decoders scaled to 720p60:

Non-square video walls can have a higher number of rows or columns as long as one of the values is the max value or lower (i.e., you could setup a 10x12 wall but not an 11x12 wall). A maximum value is currently not known for a non-square video wall.

N-Series	Square Wall Size (Max)	Non-Square Wall Limitations
N1000 MPC	10x10	Yx10 or 10xY (where Y is any number)
N1000 Non-MPC	10x10	Yx10 or 10xY (where Y is any number)
N2x22	10x10	Yx10 or 10xY (where Y is any number)
N2x35	10x10	Yx10 or 10xY (where Y is any number)

TABLE 1 Video Wall Size Guide	(1080p Input Resolution)
-------------------------------	--------------------------

TABLE 2 Video Wall Size Guide (720p Input Resolution)

N-Series	Square Wall Size (Max)	Non-Square Wall Limitations
N1000 MPC	7x7	Yx10 or 10xY (where Y is any number)
N1000 Non-MPC	7x7	Yx10 or 10xY (where Y is any number)
N2x22	7x7	Yx10 or 10xY (where Y is any number)
N2x35	7x7	Yx10 or 10xY (where Y is any number)

Lowest Crop Parameters

The lowest crop parameters for the N1000 MPC/Non-MPC, N2x22, and N2x35 series are outlined below.

- For a 1080p input resolution with Decoders scaled to 1080p:
 - x2 value must be a minimum of 32 higher than the x1 value.
 - y2 value must be a minimum of 102 higher than the y1 value.
- For a 720p input resolution with Decoders scaled to 720p:
 - x2 value must be a minimum of 46 higher than the x1 value.
 - y2 value must be a minimum of 154 higher than the y1 value.

Should you encounter any problems not covered by these guidelines, please contact technical support via email (<u>svsisupport@harman.com</u>) or call 256.461.7143 x9900.



© 2017 Harman. All rights reserved. AMX, AV FOR AN IT WORLD, and HARMAN, and their respective logos are registered trademarks of HARMAN. Oracle, Java and any other company or brand name referenced may be trademarks/registered trademarks of their respective companies. AMX does not assume responsibility for errors or omissions. AMX also reserves the right to alter specifications without prior notice at any time. The AMX Warranty and Return Policy and related documents can be viewed/downloaded at www.amx.com.

850N9815-13 REV:A

3000 RESEARCH DRIVE, RICHARDSON, TX 75082 AMX.com | 800.222.0193 | 469.624.8000 | +1.469.624.7400 | fax 469.624.7153 AMX (UK) LTD, AMX by HARMAN - Unit C, Auster Road, Clifton Moor, York, Y030 4GD United Kingdom • +44 1904-343-100 • www.amx.com/eu/