

N-Series SMD Series

Display	LED-N-015	LED-N-018	LED-N-025	LED-N-033
Pixel Configuration	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)	3-in-1 SMD (Black)
LED type	SMD (1212)	SMD (1515)	SMD (1515)	SMD (2020)
Aspect Ratio	4:3	4:3	4:3	4:3
Pixel Pitch [mm]	1.53	1.86	2.5	3.33
Brightness (max.) [cd/m ²]	800	800	800	800
Lifetime	100000 hrs (50% brightness)	100000 hrs (50% brightness)	100000 hrs (50% brightness)	100000 hrs (50% brightness)
Contrast Ratio (typ.)	5000:1	5000:1	5000:1	5000:1
Viewing Angle [°]	140 horizontal / 120 vertical	140 horizontal / 120 vertical	140 horizontal / 120 vertical	140 horizontal / 120 vertical
Dimming Capability	256 levels	256 levels	256 levels	256 levels
Colour Processing	14 bit	14 bit	14 bit	14 bit
Colours	4.4 trillion	4.4 trillion	4.4 trillion	4.4 trillion
LED Driving Method	1/45 dynamic scan	1/48 dynamic scan	1/30 dynamic scan	1/30 dynamic scan
Frame Rate	60Hz	60Hz	60Hz	60Hz
Refresh Rate [Hz]	≤3840	≤3840	≤3840	≤3840
Colour Temperature [K]	2500K ~ 10000	2500K ~ 10000	2500K ~ 10000	2500K ~ 10000
Screen Resolution				
Cabinet Resolution	416 x 312	344 x 258	256 x 192	192 x 144
Resolution per m ²	129480	88752	49152	27648
Module Resolution	208 x 104	172 x 86	128 x 64	96 x 48
Number of Pixel per module [dot]	21632	14792	8192	4608
Connectivity				
Input Video Digital	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D	1 x HDMI 2.0; 1 x DP 1.2; 1 x DVI-D
Input Control	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)	1 x GenLock; 1 x LAN; 1 x USB IN; 1 x USB OUT (Cascading)
Electrical				
Total Power Consumption [W]	61 typ. / 184 max.	55 typ. / 178 max.	49 typ. / 168 max.	41 typ. / 138 max.
Power Consumption typ. [W]	200 per m ² (normal use)	180 per m ² (normal use)	160 per m ² (normal use)	135 per m ² (normal use)
Power Consumption max. [W]	600 per m ²	580 per m ²	550 per m ²	450 per m ²
Environmental Conditions				
Operating Temperature [°C]	-0 to 40	-0 to 40	-0 to 40	-0 to 40
Operating Humidity [%]	10 to 80	10 to 80	10 to 80	10 to 80
Mechanical				
Dimensions (W x H x D) [mm]	640 x 480 x 74	640 x 480 x 74	640 x 480 x 74	640 x 480 x 74
Dimensions (W x H x D) [mm] per module	320 x 160 x 18	320 x 160 x 18	320 x 160 x 18	320 x 160 x 18
Weight [kg]	7.5	7.5	7.5	7.5
Additional Features				
Serviceability	Front Service	Front Service	Front Service	Front Service
Surface protection	N/A	N/A	N/A	N/A
IP Level	IP40	IP40	IP40	IP40
Certifications	CCC; CE; FCC Class A, RCM	CCC; CE; FCC Class A, RCM	CCC; CE; FCC Class A, RCM	CCC; CE; FCC Class A, RCM
Warranty (Standard)	3 years	3 years	3 years	3 years

