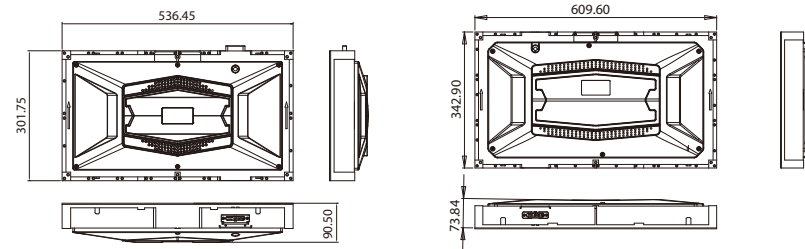


## WS Series

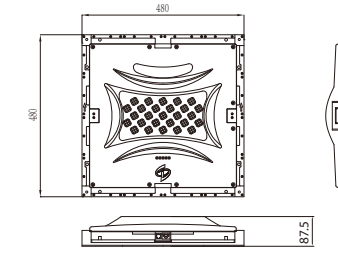


Specifications		WSE011	WSE013	WSE016	WSF012	WSF015
Pixel	Pixel Setting	RGB LED COB				
	Pixel Pitch (mm)	1.117	1.397	1.676	1.27	1.587
	Pixel Density (Pixel/m <sup>2</sup> )	800621	512398	355832	620001	396800
Module	Module Resolution (W/Pixel × H/Pixel)	120×135	96×108	80×90	120×90	96×72
	Module Size (W/mm × H/mm)	134×150		152×114		
Cabinet	Cabinet Resolution (W/Pixel × H/Pixel)	480×270	384×216	320×180	480×270	384×216
	Cabinet Size (W/mm × H/mm)	536.45×301.75			609.6×342.9	
	Material	magnalium				
	Cabinet Weight (kg/Pcs)	4.5			5	
	Cabinet Area (m <sup>2</sup> )	0.16			0.21	
	Cabinet Flatness (mm)	≤0.1				
Optical Specifications	Maintenance	front/rear				
	Dot by Dot Calibration	support				
	Brightness (cd/m <sup>2</sup> )	≥600				
	Brightness Adjustment	manually, automatically or remotely				
	Color Temperature (K)	3000 — 10000 adjustable				
	Horizontal FOV (°)	175				
	Vertical FOV (°)	175				
	Contrast	3000:1				
	Brightness Uniformity	≥ 97%				
Electrical Specifications	Peak Power Consumption (W/m <sup>2</sup> )	600				
	Average Power Consumption (W/m <sup>2</sup> )	200				
	Input Voltage (V)	AC100-240V (50-60Hz)				
System Process	Drive Mode	constant current				
	Frame Rate (Hz)	60				
	Refresh Frequency (Hz)	≥ 1920				
Applications	Lifespan (h)	100000				
	Ingress Protection	front IP54				
	Operation Temperature (°C)	0-40				
	Storage Temperature (°C)	-10-60				
	Operation Humidity (RH)	10%-80% without condensation				
	Storage Humidity (RH)	10%-85% without condensation				
Others	Support on-site dot-by-dot calibration					
	Support on-line signal dual direction backup					
	Available for being controlled by Cedar RTM Software					
	Available for different signal format, such as AV, S-Video, VGA, DVI, HDMI, SDI, DP					
	Specifications can be customized					

\*With an aspect ratio of 16:9, capable for standard Full-HD, 4K and 8K resolution.

\*Note: due to continuous modification and improvement of products, we reserve the rights to modify product model, parameters and configuration without any notice.

## NS Series



Specifications		NSD012	NSD015	NSD018	NSD025
Pixel	Pixel Setting	RGB LED COB			
	Pixel Pitch (mm)	1.25	1.5	1.875	2.5
	Pixel Density (Pixel/m <sup>2</sup> )	640000	444444	284444	160000
Module	Module Resolution (W/Pixel × H/Pixel)	96 × 96	80 × 80	64 × 64	48 × 48
	Module Size (W/mm × H/mm)	120 × 120			
Cabinet	Cabinet Resolution (W/Pixel × H/Pixel)	384 × 384	320 × 320	256 × 256	192 × 192
	Cabinet Size (W/mm × H/mm)	480 × 480			
	Cabinet Material	die-casting aluminum			
	Cabinet Weight (kg/Pcs)	7			6.5
	Cabinet Area (m <sup>2</sup> )	0.2304			
	Cabinet Flatness (mm)	≤0.1			
Optical Specifications	Maintenance	front/rear			
	Dot by Dot Calibration	support			
	Brightness (cd/m <sup>2</sup> )	≥600 (Calibrated@9300K)			
	Brightness Adjustment	manually, automatically or remotely			
	Color Temperature (K)	3000 — 10000 adjustable			
	Horizontal FOV (°)	175			
	Vertical FOV (°)	175			
	Contrast	3000:1			
	Brightness Uniformity	≥ 97%			
Electrical Specifications	Peak Power Consumption (W/m <sup>2</sup> )	600			
	Average Power Consumption (W/m <sup>2</sup> )	200			
	Input Voltage (V)	AC100~240V (50-60Hz)			
System Process	Drive Mode	constant current			
	Frame Rate (Hz)	60			
	Refresh Frequency (Hz)	≥ 1920Hz			
Applications	Lifespan (h)	100000			
	Ingress Protection	front IP54			
	Operation Temperature (°C)	0 ~ +40			
	Storage Temperature (°C)	-10 ~ +60			
	Operation Humidity (RH)	10% ~ 80% with no condensation			
	Storage Humidity (RH)	10% ~ 85% with no condensation			
Others	Support on-site dot-by-dot calibration				
	Support on-line signal dual direction backup				
	Available for being controlled by Cedar RTM Software				
	Available for different signal format, such as AV, S-Video, VGA, DVI, HDMI, SDI, DP				
	Specifications can be customized				

\*Note: due to continuous modification and improvement of products, we reserve the rights to modify product model, parameters and configuration without any notice.