

LeaDer LED Display Solutions

Product Catalogue 2016



Last Updated on March 15, 2016

LeaDer LED display Solutions and Shenzhen Q-Color Tech Co., Ltd. will update this product catalogue on a quarterly basis to maintain the accuracy of the product specification information. We are dedicated to provide quality products to our partners/customers in order for you to effectively service and develop your business in the digital signage and large format video service industry.

Our products cover following 7 categories:

- I. Indoor Rental Solution
- II. Outdoor Rental Solution
- III. Indoor Fixed Installation (Video Wall)
- IV. Outdoor Fixed Installation (Sign/EMC and Billboard)
- V. Standalone Advertising System
- VI. Transparent LED Display Panel
- VII. Sports Venue LED Display Solution

Terms of use:

- 1) This product catalogue contains product specifications and may subject to changes without notice.
- 2) For pricing quotes please contact your sales representative from LeaDer LED.
- 3) LeaDer LED display solutions provide 3 years in-factory warranty. (3 year parts, 6-month labour)
- 4) To check the delivery time for any product, please contact your sales reps from Leader LED.

I. Indoor Rental Solutions



1.1 Indoor Die-Casting--IDC Series

Model	IDC-3S	IDC-3.91S	IDC-4.81S	IDC-5.95S
Pixel Pitch (mm)	3	3.91	4.81	5.95
Pixel Density (px/m ²)	111,111	65,410	43,264	28,224
LED Configuration	1R1G1B			
LED Type	SMD2121		SMD3528	
Drive Mode	1/16 Scan	1/15 Scan	1/12 Scan	1/10 Scan
Brightness (cd/m ²)	≥1,800			≥1,500
Grey Scale	≥14bit			
Refresh Rate (Hz)	≥960			
Cabinet Resolution (px)	160x160	128x128	104x104	84x84
Max Power Consumption (W/m ²)	≤1,240	≤1,040	≤720	≤860
Average Power Consumption (W/m ²)	420~620	350~520	240~360	286~430
Cabinet Size (mm)	480x480	500x500		
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°			

Notes: 1. Customer may choose systems from different vendors, such as Novastar or Linsn. Additional parts such as rigging bumper and supporting structure can be provided based on customer's requirements.

1.2 Indoor Slim Alloy--SA Series



Model	SA-3S	SA-4S	SA-5S	SA-6S
Pixel Pitch (mm)	3	4	5	6
Pixel Density (px/m ²)	111,111	62,500	40,000	27,777
LED Configuration	1R1G1B			
LED Type	SMD2121		SMD3528	
Module Size (mm)	240x240			
Module Resolution (px)	80x80	60x60	48x48	40x40
Drive Mode	1/16 Scan	1/15 Scan	1/12 Scan	1/10 Scan
Brightness (cd/m ²)	≥1,800		≥1,500	
Grey Scale	≥14bit			
Refresh Rate (Hz)	≥960			
Cabinet Resolution (px)	160x160	120x120	192x192	160x160
Max Power Consumption (W/m ²)	≤1,240	≤1,040	≤720	≤860
Average Power Consumption (W/m ²)	420~620	350~520	240~360	286~430
Cabinet Size (mm)	480x480		960x960	
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°			

II. Outdoor Rental Solutions

2.1 Outdoor High-Definition—OHD Series



Model	OHD-3.91	OHD-4.81	OHD-5.95	OHD-6.25
Pixel Pitch (mm)	3.91	4.81	5.95	6.25
Pixel Density (px/m ²)	65,410	43,264	28,224	25,600
LED Configuration	1R1G1B			
LED Type	SMD2525			
Module Size (mm)	250x250			
Module Resolution (px)	64x64	52x52	42x42	40x40
Drive Mode	1/16 Scan	1/13 Scan	1/7 Scan	1/8 Scan
Brightness (cd/m ²)	≥5,500			
Grey Scale	≥16bit			
Refresh Rate (Hz)	≥1,200			
Cabinet Resolution (px)	128x128	104x104	84x84	80x80
Max Power Consumption (W/m ²)	≤700	≤800	≤600	≤550
Average Power Consumption (W/m ²)	233~350	266~400	200~300	180~280
Cabinet Size (mm)	500x500			
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°			
Protection	IP65			

III. Indoor Fixed Installation

3.1 Indoor Advertising --ID Series



Model	ID-3S	ID-4S	ID-5S	ID-6S	ID-7.62S	ID-10S
Pixel Pitch (mm)	3	4	5	6	7.62	10
Pixel Density (px/m²)	111,111	62,500	40,000	27,777	17,222	10,000
LED Configuration	1R1G1B					
LED Type	SMD2121			SMD3528		
Module Size (mm)	240x240				256x128	320x160
Module Resolution (px)	80x80	60x60	48x48	40x40	34x17	32x16
Drive Mode	1/16 Scan	1/15 Scan	1/12 Scan	1/10 Scan	1/8 Scan	1/4 Scan
Brightness (cd/m²)	≥1,800			≥1,500		
Grey Scale	≥14bit					
Refresh Rate (Hz)	≥960					
Cabinet Resolution (px)	160x160	120x120	96x96	80x80	96x96	96x96
Max Power Consumption (W/m²)	≤1,240	≤1,040	≤720	≤860	≤720	≤750
Average Power Consumption (W/m²)	420~620	350~520	240~360	286~430	240~360	225~300
Cabinet Size (mm)	480x480				732x732	960x960
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°					

IV. Outdoor Fixed Installation

4.1 Outdoor Advertising --AD Series



Model	SMD						DIP		
	AD-5S	AD-6S	AD-6.67S	AD-8S	AD-10S	AD-16S	AD-10D	AD-16D	AD-20D
Pixel Pitch (mm)	5	6	6.67	8	10	16	10	16	20
Pixel Density (px/m²)	40,000	27,777	22,500	15,625	10,000	3,906	10,000	3,906	2,500
LED Configuration	1R1G1B								
LED Type	SMD2525	SMD3535				DIP346			
Module Size (mm)	160x160	288x288	320x320			256x128	320x160	320x320	
Module Resolution (px)	32x32	48x48	48x48	40x40	32x32	16x8	32x16	20x20	16x16
Drive Mode	1/8 Scan	1/8 Scan	1/6 Scan	1/5 Scan	1/4 Scan	Static	1/4 Scan	Static	Static
Brightness (cd/m²)	≥5,500						≥7,000	≥7,500	≥6,500
Grey Scale	≥14bit								
Refresh Rate (Hz)	≥960								
Cabinet Resolution (px)	192x192	144x144	140x140	120x120	96x96	64x48	96x96	60x60	48x48
Max Power Consumption (W/m²)	≤1,100		≤850	≤960		≤1,350	≤650	≤710	≤530
Average Power Consumption (W/m²)	360~550		280~425	320~480		450~675	216~325	232~355	176~265
Cabinet Size (mm)	960x960	864x864	960x960			1024x768	960x960		
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°						Horizontal ≥110°, Vertical ≥55°		
Protection	Front IP65, Rear IP54								

4.2 Front Access Billboard --FA Series



Model	SMD			DIP	
	FA-6S	FA-8S	FA-10S	FA-10D	FA-16D
Pixel Pitch (mm)	6	8	10	10	16
Pixel Density (px/m ²)	27,777	15,625	10,000	10,000	3,906
LED Configuration	1R1G1B				
LED Type	SMD3535			DIP346	
Module Size (mm)	288x288	320x320		320x160	320x320
Module Resolution (px)	48x48	40x40	32x32	32x16	20x20
Drive Mode	1/8 Scan	1/5 Scan	1/4 Scan	1/4 Scan	Static
Brightness (cd/m ²)	≥5,500			≥7,000	≥7,500
Grey Scale	≥14bit				
Refresh Rate (Hz)	≥960				
Max Power Consumption (W/m ²)	≤1,100	≤960		≤650	≤710
Average Power Consumption (W/m ²)	360~550	320~480		216~325	232~355
Cabinet Size (mm)	Customized as per request				
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°			Horizontal ≥110°, Vertical ≥55°	
Protection	Front IP65, Rear IP54				

4.3 Fast Assemble -FAM Series (Dual access from rear and front of the cabinet)



Model	SMD		DIP	
	FAM-10S	FAM-16S	FAM-10D	FAM-16D
Pixel Pitch (mm)	10	16	10	16
Pixel Density (px/m ²)	10,000	3,906	10,000	3,906
LED Configuration	1R1G1B			
LED Type	SMD3535		DIP346	
Module Size (mm)	320x320			
Module Resolution (px)	32x32	20x20	32x32	20x20
Drive Mode	1/4 Scan	Static	1/4 Scan	Static
Brightness (cd/m ²)	≥5,500		≥7,000	≥7,500
Grey Scale	≥16bit			
Refresh Rate (Hz)	≥960			
Cabinet Resolution (px)	96x96	60x60	96x96	60x60
Max Power Consumption (W/m ²)	≤800	≤700	≤600	≤550
Average Power Consumption (W/m ²)	250~500	220~450	180~240	165~220
Cabinet Size (mm)	960x960			
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°		Horizontal ≥110°, Vertical ≥55°	
Protection	Front IP65, Rear IP54			

V. Standalone Advertising System

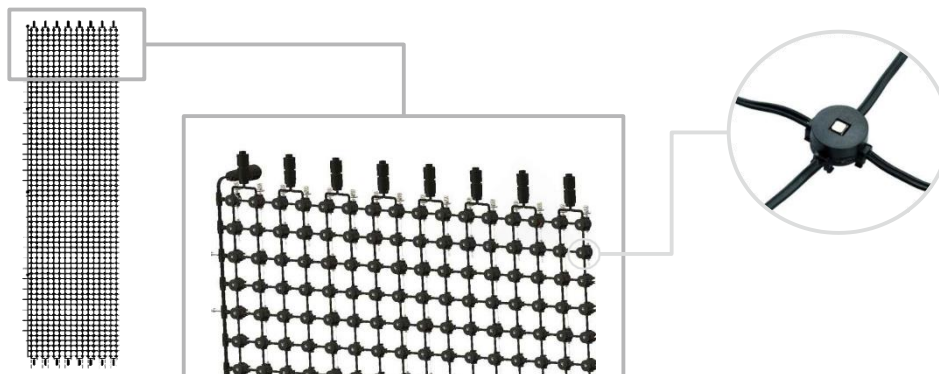
5.1 Totem LED Screen



Model	Indoor					Outdoor		
	MI-2.5S	MI-3S	MI-4S	MI-5S	MI-6S	MO-3.91	MO-4.81	M0-6S
Pixel Pitch (mm)	2.5	3	4	5	6	3.91	4.81	6
Pixel Density (px/m²)	160,000	111,111	62,500	40,000	27,777	65,410	43,264	27,777
LED Configuration	1R1G1B							
LED Type	SMD2121			SMD3528		SMD2525		SMD3528
Module Size (mm)	240X120	240X240			250X250		288X288	
Module Resolution (px)	96X48	80X80	60X60	48X48	40X40	64X64	52X52	48X48
Drive Mode	1/16 Scan	1/16 Scan	1/15 Scan	1/12 Scan	1/10 Scan	1/16 Scan	1/13 Scan	1/8 Scan
Brightness (cd/m²)	≥1,000	≥1,200	≥1,500	≥1,800	≥1,500	≥5,500		
Grey Scale	≥14bit							
Refresh Rate (Hz)	≥1,920							
Visual Display Size (mm)	960x1440					1000x1500		
Display Resolution (px)	384x576	320x480	240x360	192x288	160x240	256x384	208x312	166x250
Max Power Consumption (W/unit)	≤1,600	≤1,400		≤1,000	≤1,200	≤700	≤800	≤1,200
Average Power Consumption (W/unit)	480~660	420~560		300~400	360~480	233~350	266~400	360~480
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°							

VI. Transparent LED Display Panel

6.1 Indoor Flexible Mesh-- MS Series



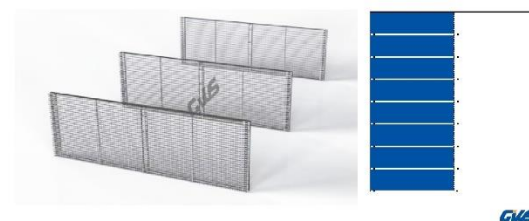
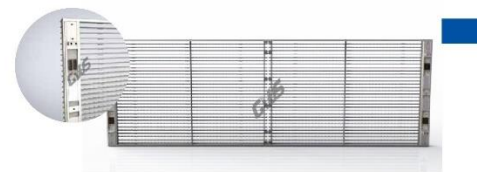
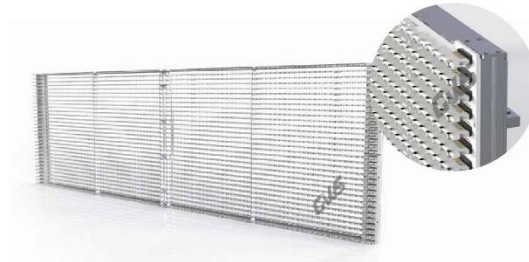
Model	MS-35	MS-42	MS-84
Pixel Pitch (mm)	35	42	84
Pixel Density (px/m²)	816	567	142
LED Configuration	1R1G1B		
LED Type	SMD3535		
Module Size (mm)	560x2,240	336x2,688	672x5,376
Module Resolution (px)	16x64	8x64	
Drive Mode	Static		
Brightness (cd/m²)	1,500	1,000	600
Grey Scale	≥16bit		
Refresh Rate (Hz)	≥960		
Max Power Consumption (W/m²)	≤160	≤120	≤25
Average Power Consumption (W/m²)	48~80	40~60	8~12
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥120°		
Protection	IP67		

6.2 Outdoor Transparent Products-- OT Series



Model	OT-16	OT-25	OT-31.25	OT-50
Pixel Pitch (mm)	16	25	31.25	50
Pixel Density (px/m²)	3,906	1,600	1,024	400
LED Configuration	1R1G1B			4R3G2B
LED Type	DIP346			
Module Size (mm)	1,536x256	1,000x400	1,500x250	2,000x50
Module Resolution (px)	96x16	40x16	48x8	40x1
Drive Mode	Static			
Brightness (cd/m²)	8,500	7,500	6,500	7,500
Grey Scale	≥16bit			
Refresh Rate (Hz)	≥1,000			
Transparency Rate (%)	50	60	70	85
Max Power Consumption (W/m²)	≤260	≤540	≤400	≤300
Average Power Consumption (W/m²)	80~150	160~215	120~160	90~120
Weight (kg/m²)	20	18	16	15
Viewing Angle (degree)	Horizontal ≥120°, Vertical ≥60°			
Protection	IP67			

6.3 Indoor Window Display Panel--GWS Series



Indoor Window Specifications

Model	XW			XT		
	XW5	XW8	XW10	XT5	XT8	XT10
Pixel Pitch (mm)	5x8	7.5x8	10	5x8	7.5x8	10
LED Model	SMD3528					
Brightness (nit)	6000					
Transparency (%)	68		75	68		75
Module Size (mm)	960x320			960x1280		
Module Resolution	192x40	128x40	96x32	192x160	128x160	96x128
Pixel Density (px/m ²)	25,000	16,666	10,000	25,000	16,666	10,000
Max. Power (W/m ²)	860	820	880	860	820	880
Avg. Power (W/m ²)	258	246	264	258	246	264
Ingress Protection	IP20					
Refresh Rate (Hz)	1,000~1,500					
Weight (kg/m ²)	12			18		
Working Tem (°C)	-10~40					

Continued

Model	XR			XD		XN		
	XR5	XR8	XR10	XD14.65	XD16	XN20	XN25	XN31.25
Pixel Pitch (mm)	5x8	7.5x8	10	14.65	16	20	25	31.25
LED Model	SMD3528			SMD3535				
Brightness (nit)	6000			7500	6500	5000	2800	2000
Transparency (%)	68		75	80	82	87	90	92
Module Size (mm)	960x400			468.8x234.4	512x256	640x320	400x400	500x250
Module Resolution	192x50	128x50	96x40	32x16			16x16	16x8
Pixel Density (px/m ²)	25,000	16,666	10,000	4,660	3,906	2,500	1,600	1,024
Max. Power (W/m ²)	860	820	880	950	830	650	400	270
Avg. Power (W/m ²)	258	246	264	340	290	260	160	108
Ingress Protection	IP20							
Refresh Rate (Hz)	1,000~1,500							
Weight (kg/m ²)	12			13				
Working Tem (°C)	-10~40							

VII. Sports Venue LED Display Solution

7.1 Indoor Perimeter-- SID Series



Model	SID-6S	SID-8S	SID-10S
Pixel Pitch (mm)	6	8	10
Pixel Density (px/m ²)	27,777	15,625	10,000
LED Configuration	1R1G1B		
LED Type	SMD3528		
Module Size (mm)	240x240	256x128	320x160
Module Resolution (px)	40x40	32x16	
Drive Mode	1/10 Scan	1/8 Scan	1/4 Scan
Brightness (cd/m ²)	≥1,500		
Grey Scale	≥14bit		
Refresh Rate (Hz)	≥4,200		
Cabinet Size (mm)	1,200x960	1,024x896	960x800
Cabinet Resolution (px)	200x160	128x112	96x80
Max Power Consumption (W/m ²)	≤860	≤720	≤750
Average Power Consumption (W/m ²)	286~430	240~360	225~300
Viewing Angle (deg)	Horizontal ≥140°, Vertical ≥140°		

7.2 Outdoor Perimeter – SOD Series



Model	SMD		DIP	
	SOD-10S	SOD-16S	SOD-16D	SOD-20D
Pixel Pitch (mm)	10	16	16	20
Pixel Density (px/m²)	10,000	3,906		2,500
LED Configuration	1R1G1B			
LED Type	SMD3535		DIP346	
Module Size (mm)	320x320	256x128		320x160
Module Resolution (px)	32x32	16x8		
Drive Mode	1/4 Scan		Static	
Brightness (cd/m²)	≥5,500		≥7,500	≥6,500
Grey Scale	≥14bit			
Refresh Rate (Hz)	≥4,200			
Cabinet Size (mm)	1,280x960	1,280x896		1280x960
Cabinet Resolution (px)	128x96	80x56	64x56	64x48
Max Power Consumption (W/m²)	≤960	≤1,350	≤710	≤530
Average Power Consumption (W/m²)	320~480	450~675	232~355	176~265
Viewing Angle (deg)	Horizontal ≥120°, Vertical ≥120°		Horizontal ≥110°, Vertical ≥55°	
Protection	Front IP65, Rear IP54			