

SOLUTIONS PARTNERS

Bringing Your Vision to Life

Mitsubishi Electric partners with you at every step to create the best possible high performance LED display solution for your unique project. We help bring your vision to life with customized solutions and end-to-end support including pre-construction design support, project engineering, installation, control systems, and post-sale service.

To learn more, visit [Diamond-Vision.com](https://www.diamond-vision.com) or call 724-772-2555 [LinkedIn](#) [YouTube](#)



**MITSUBISHI ELECTRIC
POWER PRODUCTS, INC.**

530 Keystone Drive
Warrendale, PA 15086
Phone: 724.772.2555
www.diamond-vision.com

**DIAMOND
VISION**
SYSTEMS DIVISION

Copyright ©2021 Mitsubishi Electric Power Products, Inc. All Rights Reserved.

OUTDOOR RATED DISPLAYS

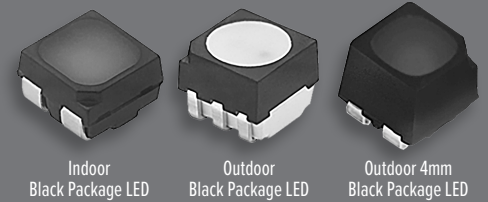
Pixel Pitch	Surface Mount Device (SMD) Technology							Lamp Technology	
	4.0mm	6.0mm	8.0mm	10.0mm	12.0mm	16.0mm	20.0mm	16.0mm	20.0mm
Pixel Density (SQM)	62,500	27,777	15,625	10,000	6,944	3,906	2,500	3,906	2,500
Pixel Density (SQFT)	5,807	2,581	1,452	929	645	363	232	363	232
Brightness cd/m2 (nit)	3,500	6,500		7,500			6,500	9,000	9,000
LED Unit Size H x W (mm)	320 x 320	192 x 192	128 x 256	160 x 320	192 x 192	128 x 256	160 x 320	128 x 256	160 x 320
Horizontal Viewing Angle*	+70° ~ -70° (140°)								
Vertical Viewing Angle*	+70° ~ -70° (140°)	+39° ~ -53° (92°)	+35° ~ -60° (95°)	+39° ~ -61° (100°)	+29° ~ -63° (92°)	+29° ~ -67° (96°)	+39° ~ -74° (113°)	+25° ~ -35° (60°)	+25° ~ -33° (58°)
Color Processing	14 Bit / 16,384 levels [16 Bit / 65,536 levels HDR Option]								
Refresh Rate	3,840 Hz	2,000 Hz							
Power (Max)	600W/m ² (56W/ft ²)							500W/m ² (46W/ft ²)	
Power (Avg)	180W/m ² (17W/ft ²)							150W/m ² (14W/ft ²)	
Weight	60kg/m ² (12.3lb/ft ²) Standard				45kg/m ² (9.2lb/ft ²) Option				

INDOOR RATED DISPLAYS

Pixel Pitch	2.667mm	4.0mm	6.0mm	8.0mm	10.0mm
Pixel Density (SQM)	140,625	62,500	27,777	15,625	10,000
Pixel Density (SQFT)	13,066	5,807	2,581	1,452	929
Brightness cd/m2 (nit)	1,500	1,200		1,800	
Brightness cd/m2 (nit)	1,500	1,200		3,500	
Brightness cd/m2 (nit)	2,000				
LED Unit Size H x W	192 x 384	384 x 192	192 x 192	128 x 256	160 x 320
Horizontal Viewing Angle*	+70° ~ -70° (140°)				
Vertical Viewing Angle*	+70° ~ -70° (140°)				
Color Processing	14 Bit / 16,384 levels [16 Bit / 65,536 levels HDR Option]				
Refresh Rate	2,000 Hz				
IP Rating	IP30 Front / IP30 Rear				
Power	100 ~ 240VAC, 3Ø, 3 Wire + Ground				
Power (Max)	500W/m ² (46W/ft ²)	400W/m ² (37W/ft ²)			
Power (Avg)	167W/m ² (16W/ft ²)	150W/m ² (14W/ft ²)			
Weight	23kg/m ² (4.9lb/ft ²)	50kg/m ² (10.2lb/ft ²) Standard		35kg/m ² (7.2lb/ft ²) Option	

Diamond Vision Systems introduced high contrast SMD LED technology, and continues to lead with the latest in black package technology.

Combined with the unique louver and matrix panel designs of the XL Series, the results are truly spectacular.



FINE PITCH DISPLAYS

Pixel Pitch	16:9 Ratio Cabinets				Mitered Corners on Cabinets		
	0.95mm	1.27mm	1.587mm	1.905mm	1.875mm	2.5mm	3.0mm
Pixel Density (SQM)	1,102,224	620,000	396,800	275,556	284,444	160,000	111,111
Pixel Density (SQFT)	102,400	57,600	36,864	25,600	26,426	14,865	10,323
Brightness cd/m2 (nit)	700	600	700		1,100		
Horizontal Viewing Angle*	+70° ~ -70° (140°)						
Vertical Viewing Angle*	+70° ~ -70° (140°)						
Color Processing	14 Bit / 16,384 levels [16 Bit / 65,536 levels HDR Option]						
Refresh Rate	3,840 Hz	3,600 Hz			3,840 Hz		
Power (Max)	700W/m ² (65W/ft ²)	600W/m ² (56W/ft ²)	650W/m ² (60W/ft ²)	620W/m ² (58W/ft ²)	600W/m ² (56W/ft ²)		500W/m ² (46W/ft ²)
Power (Avg)	231W/m ² (21W/ft ²)	200W/m ² (19W/ft ²)	216W/m ² (20W/ft ²)	205W/m ² (19W/ft ²)	200W/m ² (19W/ft ²)		167W/m ² (16W/ft ²)
Weight	46kg/m ² (9.4lb/ft ²)				26kg/m ² (5.3lb/ft ²)		

MESH DISPLAYS

Pixel Pitch	Outdoor			Indoor		
	25mm	31mm	50mm	8mm	10mm	16mm
Pixel Density (SQM)	1,600	1,024	1,600	15,625	10,000	3,906
Pixel Density (SQFT)	149	95	149	1,452	929	363
Brightness cd/m2 (nit)	8,000			5,000		4,500
Transparency Rate	50%	50%	70%	65%	70%	80%
LED Unit Size H x W	100 x 1200	62.5 x 1500	200 x 1600	128 x 960	160 x 960	256 x 960
Horizontal Viewing Angle*	+60° ~ -60° (120°)			+80° ~ -80° (160°)		
Vertical Viewing Angle*	+15° ~ -45° (60°)			+50° ~ -70° (120°)		
Color Processing	14 Bit / 16,384 levels [16 Bit / 65,536 levels HDR Option]					
Refresh Rate	1,920 Hz			2,000 Hz		
Power (Max)	360W/m ² (33W/ft ²)	250W/m ² (23W/ft ²)	200W/m ² (19W/ft ²)	650W/m ² (60W/ft ²)		
Power (Avg)	120W/m ² (11W/ft ²)	100W/m ² (9W/ft ²)	80W/m ² (7W/ft ²)	60W/m ² (20W/ft ²)		
Weight	20kg/m ² (4.1lb/ft ²)			15kg/m ² (3.1lb/ft ²)	12kg/m ² (2.5lb/ft ²)	



Specifications are subject to change without notice due to continual development.

Copyright ©2021 Mitsubishi Electric Power Products, Inc. All Rights Reserved.

* All viewing angles are based on viewable area Indicates Black Package LED