

digILED DPP

Lightweight LED Panels



Ingenious lightweight modules formed from a polymer nano-material weighing in at just over 20Kg per sqm and utilising single bin/batch LEDs, MBI driver ICs and Neutrik etherCON/powerCON True1 connectors. With a range of accessories including variable angle couplers (VAC) for convex/concave screens, corner LED tiles for true right angled connections, triangle & rounded cornered tiles and the ability to use as an LED dance floor, banner system or stacked/hung screens. Fully TUV CE certified and protected up to IP65, DPP is the most creative and flexible LED screen system on the market.



**VIDEO
WALLTRONICS, INC.**

22 LUKENS DR. NEW CASTLE, DE 19720
TEL. 302-328-4511 FAX 302-328-4558
WWW.RENTBIGSCREENS.COM

RENTAL - SALES - SERVICE - DESIGN - SINCE 1989

MODULE SPECIFICATIONS - digiLED DPP OUTDOOR

	DPP 4810oBF	DPP 4810o	DPP 5950o	DPP 6250o	DPP 7810o	DPP 8930o	DPP 10o
LEDS							
LEDS Per Pixel				1R1G1B			
Red Wavelength (Dominant)	nm				620		
Green Wavelength (Dominant)	nm				520		
Blue Wavelength (Dominant)	nm				465		
PIXELS							
Pixel Configuration	1818	1818	2828	2828	3535	3535	3535
LED Face Colour	Total Black	Total Black	Black Body	Black Body	Black Body	Black Body	Black Body
LEDS Per Area	LED/m ²	129,792	129,792	84,672	76,800	49,152	37,632
Physical Pixel Pitch	mm	4.8077	4.8077	5.9524	6.25	7.8125	8.9286
Physical Pixel Resolution (Width)	pixels	104	104	84	80	64	56
Physical Pixel Resolution (Height)	pixels	104	104	84	80	64	56
Physical Pixel Resolution (Total)	pixels	10,816	10,816	7,056	6,400	4,096	3,136
Physical Pixels Per Area	pixels/m ²	43,264	43,264	28,224	25,600	16,384	12,544
MODULE							
Standard Active Module Width	mm				500		
Standard Active Module Height	mm				500		
Standard Active Module Area	m ²				0.25		
Module Depth	mm				73		
Module Weight	kg	6.4	6.4	6.4	5.8	6	6
LED Tile Width	mm				250		
LED Tile Height	mm				250		
Viewing Angle - Horizontal	degrees				160		
Viewing Angle - Vertical	degrees				120		
Ingress Protection	(Front)				IP65		
Ingress Protection	(Back)				IP54		
Surface Finish					Polymer cast plastic		
LED Fixings					rear access		
Storage Temperature Range	degree C				-10 to +45		
Operating Temperature Range	degree C				-20 to +50		
Operating Humidity Range	%				10 to 90 Non-condensing		
COUPLING DEVICES							
Straight coupler Height	mm				83		
Straight coupler Width	mm				50		
Straight coupler Depth	mm				25		
Straight coupler Weight	grammes				88		
Variable angle coupler Height	mm				83		
Variable angle coupler Width	mm				65		
Variable angle coupler Depth	mm				141		
Variable angle coupler Max angle	degrees				15		
Variable angle coupler Weight	grammes				100		
Hanging bar Width	mm				420		
Hanging bar Depth	mm				50		
Hanging bar Height	mm				30		
Hanging bar Weight	kg				0.59		
COLOUR							
Processing Depth colours					14bit		
Refresh Rate	Hz				> 1,920		
BRIGHTNESS							
Brightness	nits	> 5,500	> 4,500	> 5,500	> 5,500	> 5,500	> 5,500
Brightness Control					Auto/Manual		
POWER							
Input Voltage	VAC				110/220		
Input Power (Average)	watts/m ²	240	200	280	320	260	180
Input Power (Maximum)	watts/m ²	720	600	840	960	760	520
OTHER							
Lifespan	hours				100,000		
Computer System Type					PC Win7, Vista, XP		
Video Input					DVI, HDMI		
Connection Method					HSYV		
Connectors					Neutrik		
Control System					NovaStar		
Certification					RoHS, FCC, CE, TUV, BV		
Typical average malfunction rate	per dot/panel				< 0.00003		

All specifications are correct at time of print, however they are liable to change and should be confirmed at point of order.



MODULE SPECIFICATIONS - digiLED DPP INDOOR

	DPP 2840	DPP 3125	DPP 3910	DPP 4400	DPP 4810	DPP 5200	
LEDS							
LEDs Per Pixel	1R1G1B						
Red Wavelength (Dominant)	620						
Green Wavelength (Dominant)	520						
Blue Wavelength (Dominant)	465						
PIXELS							
Pixel Configuration	SMD2020	SMD2020	SMD2020	SMD2020	SMD2020	SMD3528	
LED Face Colour	Total Black						
LEDs Per Area	LED/m2	371,712	307,200	196,608	150,528	129,792	110,592
Physical Pixel Pitch	mm	2.8409	3.125	3.9063	4.4643	4.8077	5.2083
Physical Pixel Resolution (Width)	pixels	176	160	128	112	104	96
Physical Pixel Resolution (Height)	pixels	176	160	128	112	104	96
Physical Pixel Resolution (Total)	pixels	30,976	25,600	16,384	12,544	10,816	9,216
Physical Pixels Per Area	pixels/m2	123,904	102,400	65,536	50,176	43,264	36,864
MODULE							
Standard Active Module Width	mm	500					
Standard Active Module Height	mm	500					
Standard Active Module Area	m2	0.25					
Module Depth	mm	73					
Module Weight	kg	5.9	5.8	5.7	5.7	5.7	5.9
LED Tile Width	mm	250					
LED Tile Height	mm	250					
Viewing Angle - Horizontal	degrees	160	160	160	160	160	160
Viewing Angle - Vertical	degrees	140	120	120	120	120	120
Ingress Protection (Front)		IP50					
Ingress Protection (Back)		IP50					
Surface Finish		Polymer cast plastic					
LED Fixings		rear access					
Storage Temperature Range	degree C	-10 to +45					
Operating Temperature Range	degree C	-20 to +50					
Operating Humidity Range	%	10 to 90 Non-condensing					
COUPLING DEVICES							
Straight coupler Height	mm	83					
Straight coupler Width	mm	50					
Straight coupler Depth	mm	25					
Straight coupler Weight	grammes	88					
Variable angle coupler Height	mm	83					
Variable angle coupler Width	mm	65					
Variable angle coupler Depth	mm	141					
Variable angle coupler Max angle	degrees	15					
Variable angle coupler Weight	grammes	100					
Hanging bar Width	mm	420					
Hanging bar Depth	mm	50					
Hanging bar Height	mm	30					
Hanging bar Weight	kg	0.59					
COLOUR							
Processing Depth colours		14bit					
Refresh Rate	Hz	> 1,920					
BRIGHTNESS							
Brightness	nits	> 1,000	> 1,000	> 1,000	> 1,000	> 1,000	> 1,000
Brightness Control		Auto/Manual					
POWER							
Input Voltage	VAC	110/220					
Input Power (Average)	watts/m2	160	140	160	160	180	140
Input Power (Maximum)	watts/m2	480	400	480	480	520	400
OTHER							
Lifespan	hours	100,000					
Computer System Type		PC Win7, Vista, XP					
Video Input		DVI, HDMI					
Connection Method		HSYV					
Connectors		Neutrik					
Control System		NovaStar					
Certification		RoHS, FCC, CE, TUV, BV					
Typical average malfunction rate	per dot/panel	< 0.00003					

All specifications are correct at time of print, however they are liable to change and should be confirmed at point of order.



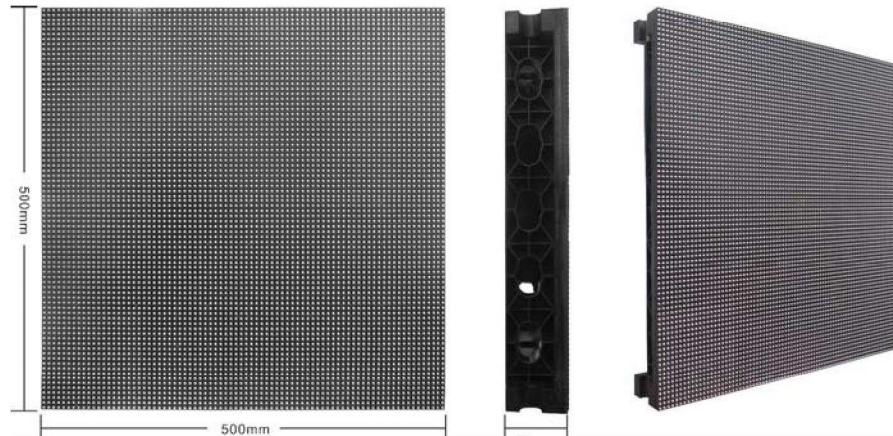
Introducing the digiLED Lightweight screen system

For ultra lightweight applications, the digiLED DPP LED display system is a fast rig/derig solution for the rental market. Easy, no-tool installation makes it ideal for event application.

If you have to make alterations to the screen, then a module can be quickly withdrawn or replaced in under one minute.

DPP has the ability to curve in any direction (convex or concave) up to 15 degrees. Each module has its own in-built power and data connectors and clips for easy storage.

MODULE DIMENSIONS



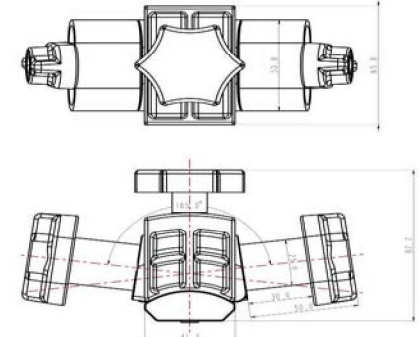
Standard system accessories

- Easy coupling straight or variable angle
- In-built Neutrik power and data cables



All you need for the rental market

- Ultra fast rig/derig of up to 100 modules per hour
- IP65 protection on outdoor range
- Fast maintenance
- Lightweight and slim, to reduce installation costs
- TUV certification (with CE certification pending)
- Nova control system compatible
- Suspend up to 20 modules per 2 columns
- Unique one twist lock mechanism and precision alignment



VARIABLE ANGLE COUPLER (VAC)

STRAIGHT COUPLER showing twist lock



LONG STRAIGHT COUPLER showing twist lock



HANGING BAR



FRONT & REAR VIEW





PHOTO BY: ANNA BRAHIC LUCKI DESIGNS INC.



VIDEO
WALLTRONICS, INC.

22 LUKENS DR. NEW CASTLE, DE 19720
TEL. 302-328-4511 FAX 302-328-4558
WWW.RENTBIGSCREENS.COM

RENTAL - SALES - SERVICE - DESIGN - SINCE 1989