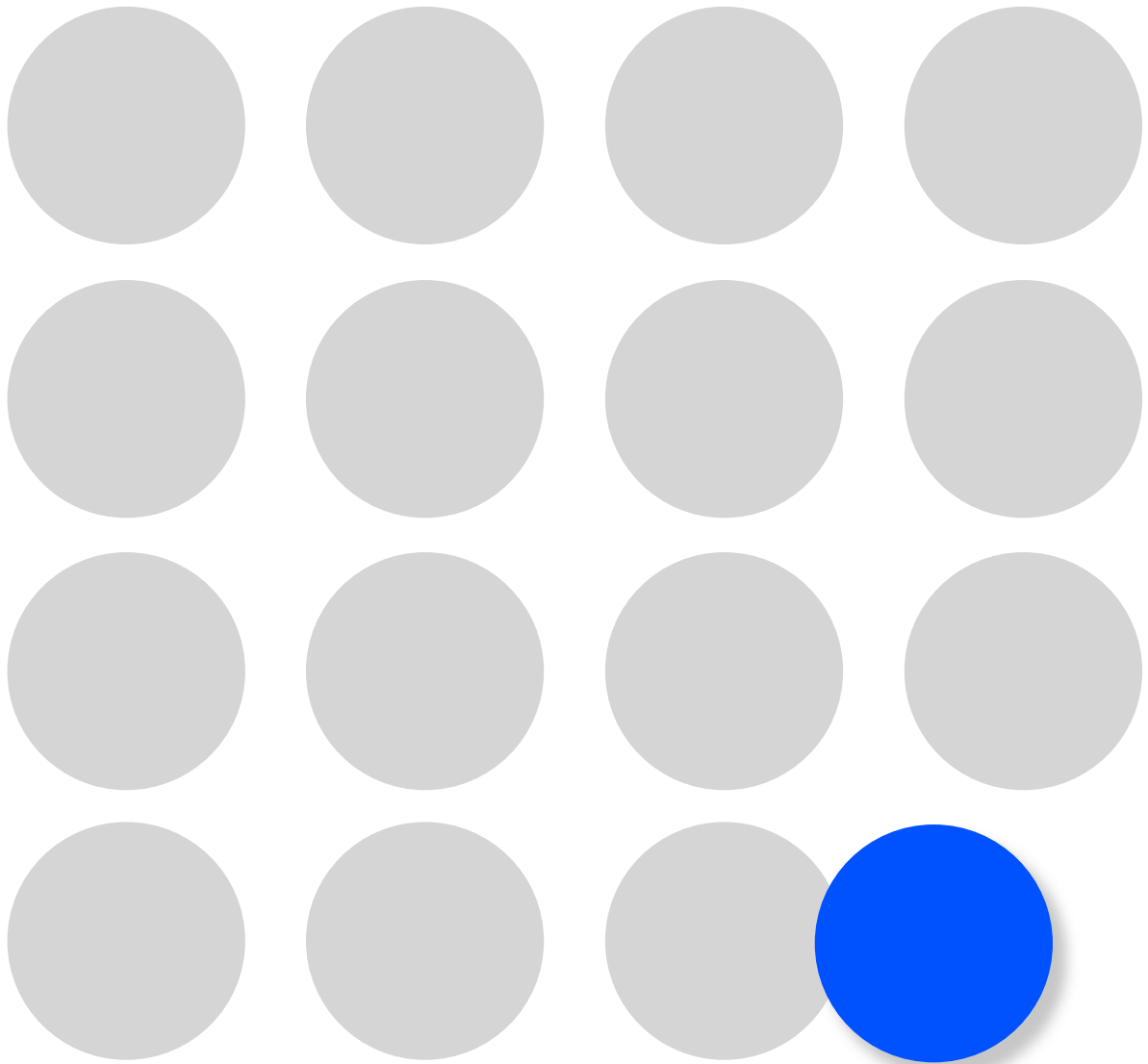




Product Catalog

Square 1000 Series

doit

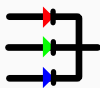
www.doitvision.com

Square1000

Solutions for outdoor high-brightness & reliability



IP65 rating



Common cathode

10000nits

10000 nits



Energy saving



UV protection



Optimized heat sinking



90 degree install



Curve install

Square1000

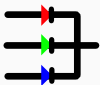
The Square 1000 is DOIT VISION's next-generation high-brightness LED display product designed specifically for extreme outdoor environments. It features a reinforced IP65 protection, common cathode energy-saving technology, boasting an astonishing brightness of up to 10,000 nits, superior heat dissipation, and exceptional ease of maintenance.

	Model	OSA-2.97	OSA-3.91	OSA-4.81	OSA-6.25	OSA-7.81	OSA-10.41
	Pixel Pitch	2.97mm	3.91mm	4.81mm	6.25mm	7.81mm	10.41mm
	Panel size	1000x500x64mm/39.37"x19.69"x2.52" (WxHxD) 1000x750x64mm/39.37"x29.53"x2.52" (WxHxD) 1000x1000x64mm/39.37"x39.37"x2.52" (WxHxD) 1500x1000x64mm/59.06"x39.37"x2.52" (WxHxD)					

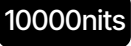
Models



IP65 rating
Outdoor water-proof
IP65 front & back



Common cathode
Optional common cathode
40% energy saving



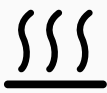
10000 nits
Up to 10,000 nits
brightness(optional)



Energy saving
With common cathode
40% energy saving



UV protection
Ensure that the screen will not age
or yellow under prolonged exposure
to ultraviolet light.



Optimized heat sinking
No fan design, aluminum profile
frames & module chassis allows for
natural heat dissipation.



90 degree install
Available for 90 degree right angle
installation for building corner



Curve install
Seamless curve installation for corner,
ideal solution for outdoor 3d billboard

Features



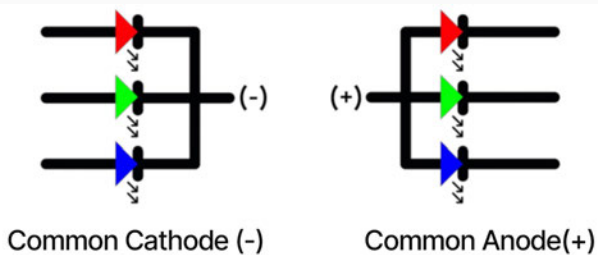
Up to 10000 nits brightness

Brightness up to 10,000 nits
High brightness is a basic requirement for outdoor LED displays to be clearly visible in sunlight. The Square series in addition to the basic brightness, also offers an ultra-high brightness version for applications with high brightness requirements.



Modular structural design

LED modules or power boxes can be easily disassembled or replaced regardless of the installation method.
Damaged components can be easily disassembled and installed from the front or rear without the need for specialized tools or additional screws.

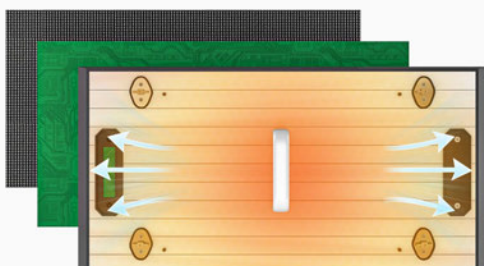
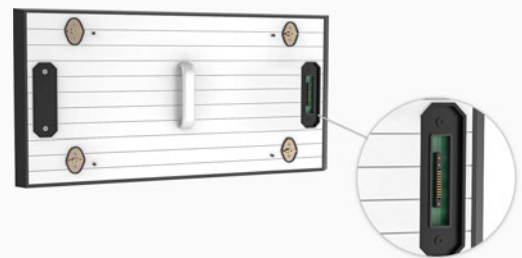


Common cathode technology

LED display common cathode technology is a power supply method that shares the cathode (negative electrode) of LED chips while independently controlling the anode (positive electrode). It aims to improve energy efficiency, extend lifespan, and optimize display effects.

Smart module & hard

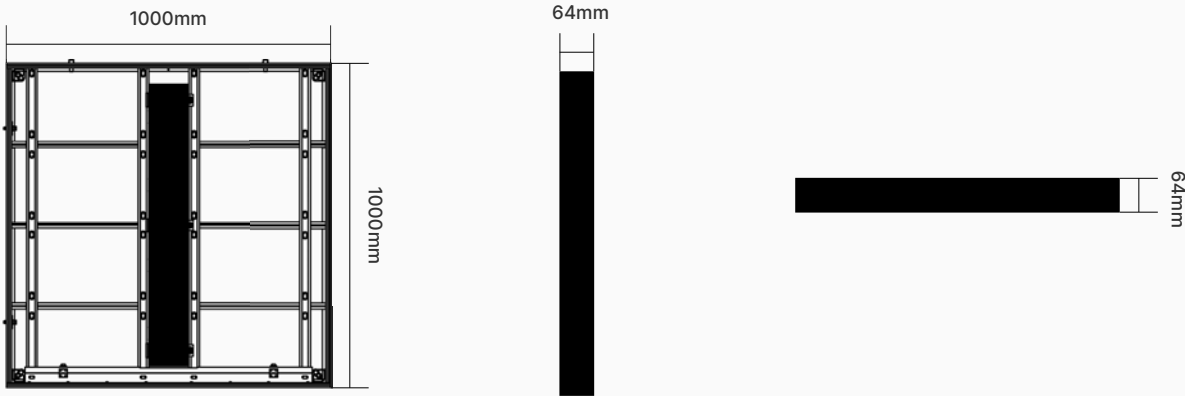
2+1 power connector design to prevent module burnout caused by overheating from excessive current



Optimized Heat Dissipation

The entire structure, including the cabinet and module bottom shell, is made of high-quality aluminum profiles, offering excellent thermal conductivity. The power supply is perfectly integrated into the rear cover of the cabinet, providing a large heat dissipation area and ensuring that the power supply does not overheat and affect operating efficiency.

Panel dimension



Specification

		OSA-2.97	OSA-3.91	OSA-4.81
Display	Pixel pitch(mm)	2.97	3.91	4.81
	Pixel configuration	SMD1415	SMD1921	SMD1921
	Pixel density(per sqm)	112,896	65,536	43,264
	Brightness(nits)	6,000	5,500 / 6,500	5,500 / 6,500
	Contrast ratio	5000:1	5000:1	5000:1
	Viewing angle(H/V)	120°H / 120°V (50% brightness)	120°H / 120°V (50% brightness)	120°H / 120°V (50% brightness)
	Color processing	16 bits	16 bits	16 bits
	Refresh rate(Hz)	1920/3840	1920/3840	1920/3840
	Scan mode	1/21	1/16, 1/8	1/13, 1/7
Control	Inputs	DVI. HDMI. SDI.AV. DP.VGA.YPBPR	DVI. HDMI. SDI.AV. DP.VGA.YPBPR	DVI. HDMI. SDI.AV. DP.VGA.YPBPR
	Control mode	Synchronous & asynchronous	Synchronous & asynchronous	Synchronous & asynchronous
	Control system	Novastar/Colorlight	Novastar/Colorlight	Novastar/Colorlight
Physical	Panel dimension(WxHxD)	1000 mm × 1000 mm / 39.37" × 39.37"	1000 mm × 1000 mm / 39.37" × 39.37"	1000 mm × 1000 mm / 39.37" × 39.37"
	Panel resolution	336 × 336	255 × 255	207 × 207
	Module dimension(WxH)	500 mm × 250 mm / 19.68" × 9.84"	500 mm × 250 mm / 19.68" × 9.84"	500 mm × 250 mm / 19.68" × 9.84"
	Module resolution	168 × 84	128 × 64	104 × 52
	Panel diagonal	55.7"	55.7"	55.7"
	Panel weight(kg/lbs)	30kg / 66 lbs	30kg / 66 lbs	30kg / 66 lbs
	Panel material	Aluminum profile	Aluminum profile	Aluminum profile
	Service access	Front / back	Front / back	Front / back
Power	Input	100-240V at 50/60Hz	100-240V at 50/60Hz	100-240V at 50/60Hz
	Power consumption(Max/Ave)	800W / 265W	800W / 265W	800W / 265W
Enviroment	IP rating(Front & back)	IP65 / IP65	IP65 / IP65	IP65 / IP65
	Operating temperature	(-20)-(+60) Celsius degree	(-20)-(+60) Celsius degree	(-20)-(+60) Celsius degree
	Operating humidity(%RH)	10%-90%	10%-90%	10%-90%
	Runtime	7/24	7/24	7/24
	Lifespan(hrs)	100,000	100,000	100,000
Package	Package type	Wooden case	Wooden case	Wooden case
	Package dimension(typical)	1100 mm × 540 mm × 1200 mm	1100 mm × 540 mm × 1200 mm	1100 mm × 540 mm × 1200 mm
	Package weight(typical)	35kg	35kg	35kg
Warranty	Warranty	2 years	2 years	2 years

		OSA-6.25	OSA-7.81	OSA-10.41
Display	Pixel pitch(mm)	6.25	7.81	10.41
	Pixel configuration	SMD2727	SMD2727	SMD2727
	Pixel density(per sqm)	25,600	16,384	9,216
	Brightness(nits)	6,500	6,500	6,500
	Contrast ratio	5000:1	5000:1	5000:1
	Viewing angle(H/V)	120°H / 120°V (50% brightness)	120°H / 120°V (50% brightness)	120°H / 120°V (50% brightness)
	Color processing	16 bits	16 bits	16 bits
	Refresh rate(Hz)	1920/3840	1920/3840	1920/3840
	Scan mode	1/5	1/4	1/2
Control	Inputs	DVI. HDMI. SDI.AV. DP.VGA.YPBPR	DVI. HDMI. SDI.AV. DP.VGA.YPBPR	DVI. HDMI. SDI.AV. DP.VGA.YPBPR
	Control mode	Synchronous & asynchronous	Synchronous & asynchronous	Synchronous & asynchronous
	Control system	Novastar/Colorlight	Novastar/Colorlight	Novastar/Colorlight
Physical	Panel dimension(WxHxD)	1000 mm × 1000 mm / 39.37" × 39.37"	1000 mm × 1000 mm / 39.37" × 39.37"	1000 mm × 1000 mm / 39.37" × 39.37"
	Panel resolution	160 × 160	128 × 128	96 × 96
	Module dimension(WxH)	500 mm × 250 mm / 19.68" × 9.84"	500 mm × 250 mm / 19.68" × 9.84"	500 mm × 250 mm / 19.68" × 9.84"
	Module resolution	80 × 40	64 × 32	48 × 24
	Panel diagonal	55.7"	55.7"	55.7"
	Panel weight(kg/lbs)	30kg / 66 lbs	30kg / 66 lbs	30kg / 66 lbs
	Panel material	Aluminum profile	Aluminum profile	Aluminum profile
	Service access	Front / back	Front / back	Front / back
Power	Input	100-240V at 50/60Hz	100-240V at 50/60Hz	100-240V at 50/60Hz
	Power consumption(Max/Ave)	720W / 240W	650W / 220W	650W / 220W
Enviroment	IP rating(Front & back)	IP65 / IP65	IP65 / IP65	IP65 / IP65
	Operating temperature	(-20)-(+60) Celsius degree	(-20)-(+60) Celsius degree	(-20)-(+60) Celsius degree
	Operating humidity(%RH)	10%-90%	10%-90%	10%-90%
	Runtime	7/24	7/24	7/24
	Lifespan(hrs)	100,000	100,000	100,000
Package	Package type	Wooden case	Wooden case	Wooden case
	Package dimension(typical)	1100 mm × 540 mm × 1200 mm	1100 mm × 540 mm × 1200 mm	1100 mm × 540 mm × 1200 mm
	Package weight(typical)	35kg	35kg	35kg
Warranty	Warranty	2 years	2 years	2 years



T +86 755 2324 4670
F +86 755 2324 4670

M +86 1866 5800 742 (whatsapp)
E info@doitvision.com

Leds do it
Success lies in action

Shenzhen DOIT VISION Co.,Ltd
Office add: 1110,11/F, Jingting Building, Huaxia Rd. Guangming Dist,Shenzhen
Factory: 401Building 4, S33 Intelligence Valley, Matian block, Guangming Dist, Shenzhen