

FLEXIBLE STRIP DISPLAY



screen parameters

	9.375mm	18.75mm	37.5mm	75mm
pixel pitch	9.375mm	18.75mm	37.5mm	75mm
brightness	≥ 2600 cd / m ²	≥ 4500 cd / m ²	≥ 2000 cd / m ²	≥ 1000 cd / m ²
brightness adjustment	256 grade automatic			
viewing angle	H 110° V 110°			
optimal viewing distance	≥ 7m	≥ 14m	≥ 28m	≥ 50m
greyscale	4,096 grades	65,536 grades	65,536 grades	4,096 grades
display colours	16.7M	16.7M	16.7M	16.7M
frame rate	≥ 60 Hz			
refresh rate	≥ 480 Hz	≥ 800 Hz	≥ 800 Hz	≥ 480 Hz
data transmission	parallel RS422 mode			
life span	≥ 100,000 hours			
operating voltage	AC 110V / 220 V 50 - 60 Hz			
screen power consumption	max 650W / m ² ave 200W - 300W / m ²	max 650W / m ² ave 400W - 450W / m ²	max 200W / m ² ave 60W / m ²	max 80W / m ² ave 40W / m ²
colour temperature	6500K ± 500			
weight (not including outer frame)	< 15 kg / m ²	< 14 kg / m ²	< 8 kg / m ²	< 3.5 kg / m ²
control distance	100 M (fibreoptic transmission 500 - 20,000 M)			
storage temperature	-40°C - +85°C			
operating temperature	-20°C - +60°C			
operating humidity	10% - 95%			
certifications	FCC CE RoHS			

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pixel parameters

pixel pitch	9.375mm	18.75mm	37.5mm	75mm
pixel configuration	3in1 SMD 3528	3in1 SMD 5050	3in1 SMD 5050	3in1 SMD 5050
module resolution	11,377 dots / m ²	2,844 dots / m ²	711 dots / m ²	177 dots / m ²
colour matching analysis	colour matching of different colour brightness is R:G:B / 3:6:1			

module parameters

pixel pitch	9.375mm	18.75mm	37.5mm	75mm
module pixels	8 x 32 dots = 256 dots	4 x 16 dots = 64 dots	1 x 8 dots = 8 dots	1 x 4 dots = 4 dots
module size	75mm x 300mm	75mm x 300mm	10mm x 300mm	10mm x 300mm
switch voltage loading	5v / 40A 5v / 30A	5v / 40A 5v / 30A	5v / 40A 5v / 30A	5v / 40A 5v / 30A
control driver	1/4 scan	static	static	static
control chip	MBI 5024	MBI 5041	MBI 5041	MBI 5024
dot precision	≤ 0.5 mm	≤ 0.5 mm	≤ 0.5 mm	≤ 0.5 mm
PCB precision	< 1 mm	< 1 mm	< 1 mm	< 1 mm
grounding current leakage	2 mA	2 mA	2 mA	2 mA
PCB temp. dispersion	metal ≤ 40 k insulation ≤ 65 k	metal ≤ 40 k insulation ≤ 65 k	metal ≤ 40 k insulation ≤ 65 k	metal ≤ 40 k insulation ≤ 65 k
blind spot rate	≤ 0.0001	≤ 0.0001	≤ 0.0001	≤ 0.0001

system parameters

system operating platform	microsoft windows XP or higher
computer display mode	1,024 x 768
control system	PCTV (optional) + DVI + MC + fibreoptic (optional)
video signal	RF, S-video, RGB, RGBHV, YUV, YC, composition
input signal	S-video, VGA, RGB, composite video, SDI