

SPECIFICATION

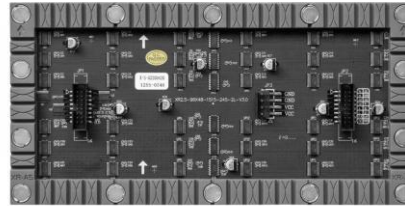


VF240 P2.5-W240*H120mm-Flex Module

1. LED Module photos



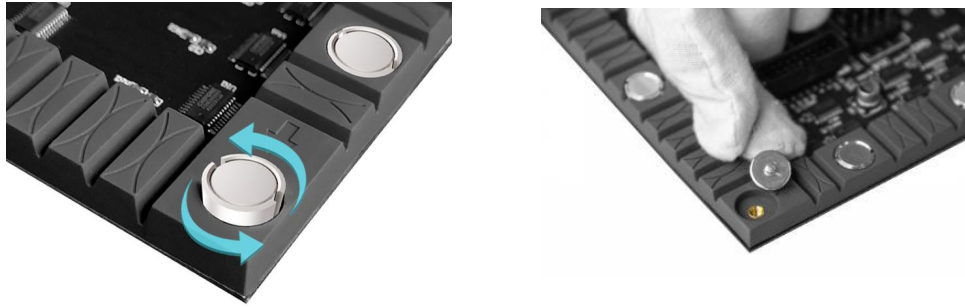
Front view



Back view



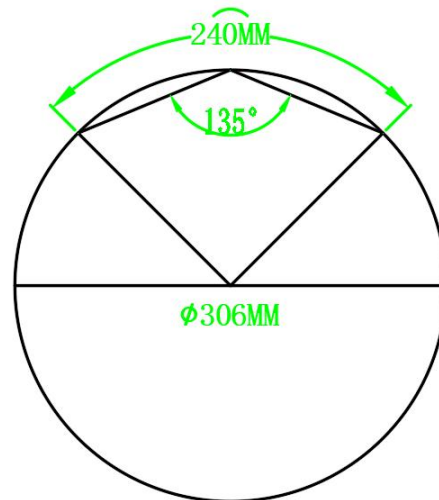
Bending



Adjustable magnet bolts

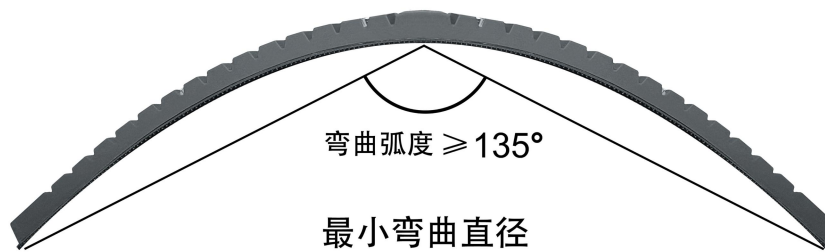
2.Bending arc degree

- Four pieces of modules can form a smallest diameter of 306mm cylinder



最小弯曲直径
Minimum bending diameter

- Convex and concave arc degree $\geq 135^\circ$



3.Specs data

Product name		P1.25	P1.579	P1.667	P1.875
Module	Pixel configuration	1R1G1B (full color)	1R1G1B (full color)	1R1G1B (full color)	1R1G1B (full color)
	LED lamp type	SMD 1010	SMD 1212	SMD 1212	SMD 1515
	Pixel density (dot/m²)	640000	401110	359999	284443
	Module size (mm)	240x120x8.6 (WxHxD)	240x120x8.6 (WxHxD)	240x120x8.6 (WxHxD)	240x120x8.6 (WxHxD)
	Module resolution	192X96	152X76	144X72	128X64
	Scan rate	1/48	1/38	1/36	1/32
	Driver IC	Dual buffer with PWM	Dual buffer with PWM	Dual buffer with PWM	Dual buffer with PWM
	Refresh rate (Hz)	3840-4200hz	3840-4200hz	3840-4200hz	3840hz
	Frame frequency (Hz)	60hz	60hz	60hz	60hz
	Gray scale (bit)	13-14bit	13-14bit	13-14bit	12-13bit
	Minimum cylinder diameter	1222mm	917mm	764mm	611mm
	Arc degree	≥169°	≥165°	≥162°	≥158°
	Data port	HUB75(In and out)	HUB75(In and out)	HUB75(In and out)	HUB75(In and out)
	Bottom frame material	Silicon gel	Silicon gel	Silicon gel	Silicon gel
	Module weight (g/pcs)	220g	210g	200g	217g
	flatness (mm)	≤ 0.3 mm	≤ 0.3 mm	≤ 0.5 mm	≤ 0.5 mm
	Protection level	IP20	IP20	IP20	IP20
	Installation/maintenance way	Front or back	Front or back	Front or back	Front or back
Optical	White balance brightness (cd)	750-800cd	700-750cd	700-750cd	750-800cd
	Color temperature (K)	10000-12000 K adjustable	10000-12000 K adjustable	10000-12000 K adjustable	10000-12000 K adjustable

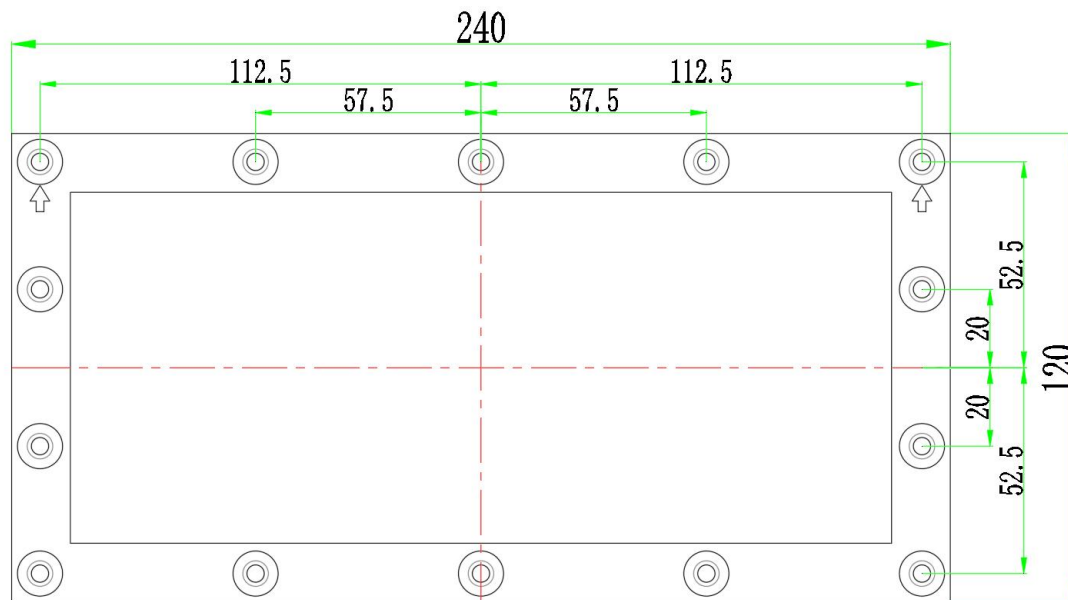
	coordinate	X:0.2500 Y:0.3000 ±0.01	X:0.2500 Y:0.3000 ±0.01	X:0.2500 Y:0.3000 ±0.01	X:0.2500 Y:0.3000 ±0.01
	horizontal/vertical viewing angle	X:160° / Y:140°	X:150° / Y:120°	X:150° / Y:120°	X:150° / Y:120°
	Contrast ratio	≥6000:1	≥6000:1	≥6000:1	≥5000:1
Electrical	Working voltage DC (V)	5V	5V	5V	5V
	Max. current/module DC (A)	3.2A	2.8A	2.8A	2.8A
	Max. power/Module (w/pcs)	16 w	14 w	14 w	14 w
	Input voltage AC (V)	110-220 V	110-220 V	110-220 V	110-220 V
	Max. power (w/m2)	560 w	490 w	490 w	460 w
	Ave. power (w/m2)	160 w	140 w	140 w	140 w
Usage	Typical life (h)	100 000 h	100 000 h	100 000 h	100 000 h
	Working temperature (°C)	-20—40°C	-20—40°C	-20—40°C	-20—40°C
	Working humidity (RH)	20%—75%RH	20%—75%RH	20%—75%RH	20%—75%RH

Product name		P2.0	P2.5	P3	P4
Module	Pixel configuration	1R1G1B (full color)	1R1G1B (full color)	1R1G1B (full color)	1R1G1B (full color)
	LED lamp type	SMD 1515	SMD 1515	SMD 1515	SMD 2020
	Pixel density (dot/m²)	250000	160000	111111	62500
	Module size (mm)	240x120x8.6 (WxHxD)	240x120x8.6 (WxHxD)	240x120x8.6 (WxHxD)	240x120x8.6 (WxHxD)
	Module resolution	120X60	96X48	80X40	60X30
	Scan rate	1/30	1/24	1/20	1/15
	Driver IC	Dual buffer with PWM	Dual buffer with PWM	Dual buffer with PWM	Dual buffer with PWM
	Refresh rate (Hz)	3840hz	1920-3840hz	1920hz	1920hz
	Frame frequency (Hz)	60hz	60hz	60hz	60hz
	Gray scale (bit)	12-13bit	12bit	12bit	12bit

	Minimum cylinder diameter	611mm	306mm	306mm	306mm
	Arc degree	≥158°	≥135°	≥135°	≥135°
	Data port	HUB75(In and out)	HUB75(In and out)	HUB75(In and out)	HUB75(In and out)
	Bottom frame material	Silicon gel	Silicon gel	Silicon gel	Silicon gel
	Module weight (g/pcs)	210g	190g	190g	175g
	flatness (mm)	≤ 0.5 mm	≤ 0.5 mm	≤ 0.5 mm	≤ 0.5 mm
	Protection level	IP20	IP20	IP20	IP20
	Installation/maintenance way	Front or back	Front or back	Front or back	Front or back
Optical	White balance brightness (cd)	750-800cd	750-800cd	750-800cd	750-800cd
	Color temperature (K)	10000-12000 K adjustable	10000-12000 K adjustable	10000-12000 K adjustable	10000-12000 K adjustable
	coordinate	X:0.2500 Y:0.3000 ±0.01	X:0.2500 Y:0.3000 ±0.01	X:0.2500 Y:0.3000 ±0.01	X:0.2500 Y:0.3000 ±0.01
	horizontal/vertical viewing angle	X:150° / Y:120°	X:150° / Y:120°	X:150° / Y:120°	X:140° / Y:120°
	Contrast ratio	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Electrical	Working voltage DC (V)	5V	5V	5V	5V
	Max. current/module DC (A)	2.8A	2.6A	2.5A	2.6A
	Max. power/Module (w/pcs)	13 w	13 w	12.5 w	13 w
	Input voltage AC (V)	110-220 V	110-220 V	110-220 V	110-220 V
	Max. power (w/m2)	490 w	460 w	440 w	460 w
	Ave. power (w/m2)	140 w	130 w	130 w	130 w
Usage	Typical life (h)	100 000 h	100 000 h	100 000 h	100 000 h

	Working temperature (°C)	-20—40℃	-20—40℃	-20—40℃	-20—40℃
	Working humidity (RH)	20%—75%RH	20%—75%RH	20%—75%RH	20%—75%RH

4.Module magnet position



5.Installation

Cabinet reference-column



Cabinet without module



cabinet with module



Arc shape-convex and concave



Installation precautions:



Do not bend too hard



do not pull the PCB edge





Specially designed vacuum suction tool is suggested

6. Delivery and packing

The modules and cabinets are suggested to be packed separately for good protection, and front installation.

Module size(mm)	Carton size (mm)	Module Qty(PCS)	Carton weight (KG)
240X120	550X450X295	84	17.15

