

1. Product Description

This waterproof series is D-KING LED back installation and back service products, using 320x160mm waterproof module, with 960x960mm standard cabinet. This series of products are suitable for various outdoor application fields of different environmental brightness, with high brightness, high contrast, gorgeous picture, high protection ability, excellent weather resistance, long service life.

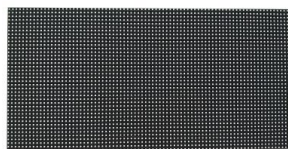
1.1 Application Scope

This technical specification is only applicable to D-KING outdoor Guardian series product. Module size: 320x160mm, its supporting iron and die-casting aluminum cabinet.

1.2 Product Features

- 320x160mm module size, compatible with: P2.5, P4, P5, P8, P10;
- 960x960mm cabinet size;
- Good waterproof performance, the back cover of the module is equipped with waterproof silicone rubber and adopts the design of water guide groove, which can quickly export rainwater and other liquids;
- Strong UV resistance, IP65 waterproof grade, able to cope with all kinds of bad weather

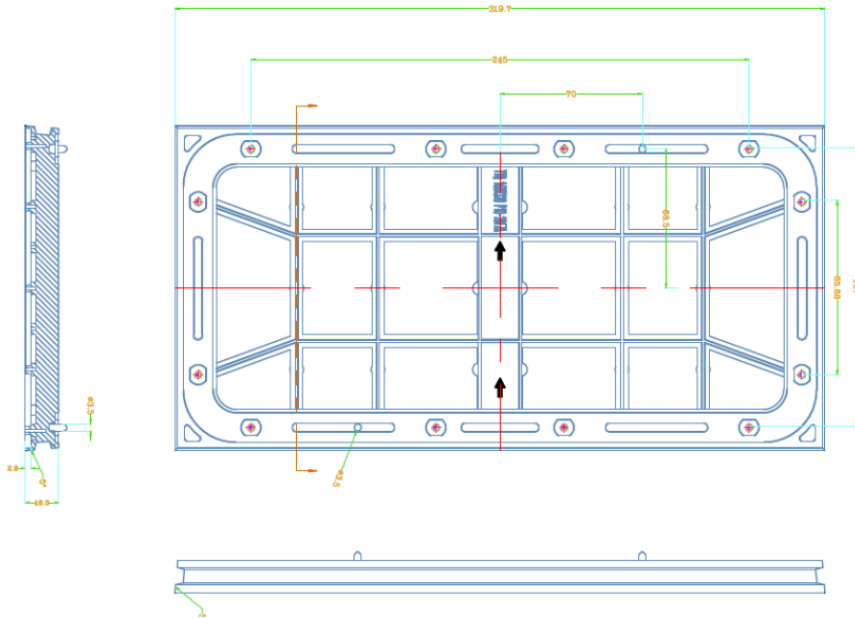
2. 320mmx160mm Module Specification

Item	Specification	Module Picture
Series	D-K series module	
Pixel Pitch	2.5mm, 4mm,5mm,8mm,10mm,	
Resolution	128X64,80X40,64X32,40X20,32X16	
Module Size	320mmx160mm （W x H）	
Module Weight	520±10g	

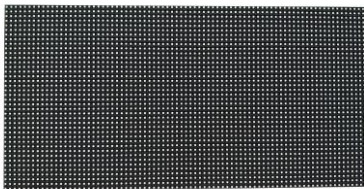
3. 960mmx960mm Cabinet Specification

Item	Specification	Cabinet Picture
Series	D-K series cabinet	
Material	Iron cabinet	
Pixel Pitch	2.5mm,4mm, 5mm, 8mm,10mm	
Resolution	384X384,240X240,192X192,120X120,96X96	
Cabinet Size	960mmx960mm （W x H）	
Cabinet Weight	40kg	

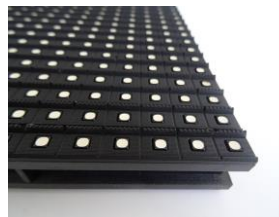
4. Module Dimension Structure



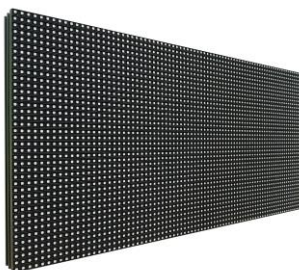
5. Module Picture



Front View



Front View



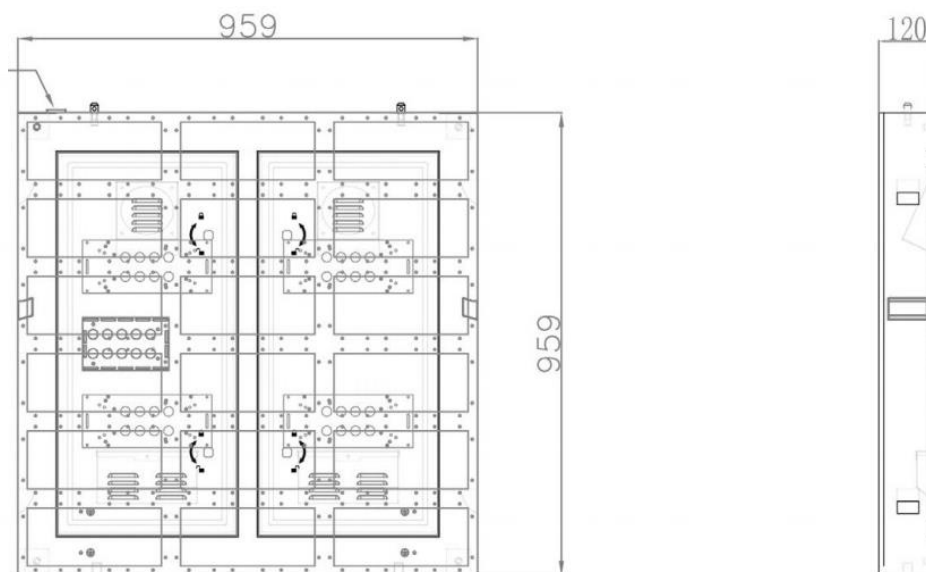
Side View



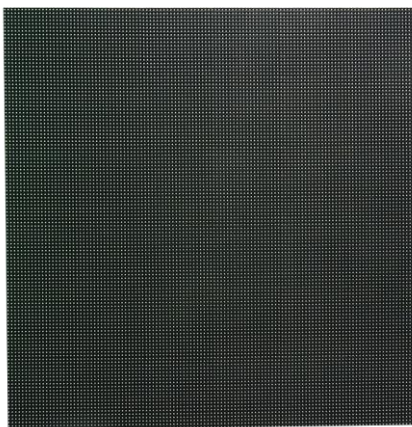
Back View

6. Cabinet Dimension Structure

Wire Hole



7. Cabinet Picture



Front View

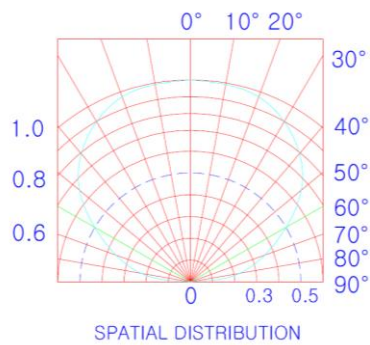


Back View

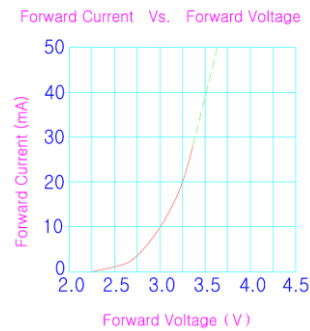
8. Technical Parameter

Item		P2.5	P4	P5	P8	P10
Technical	Pixel Pitch（mm）	2.5	4	5	8	10
	LED Configuration	1R1G1B	1R1G1B	1R1G1B	1R1G1B	1R1G1B
	LED type	SMD1415	SMD1921	SMD2727	SMD3535	SMD3535
	Physical Density（dot/m²）	160000	62500	40000	15625	10000
	Module Size(W×H)mm	320x160	320x160	320x160	320x160	320x160
	Module Resolution(W×H)	128X64	80X40	64X32	40X20	32x16
	Module Basement Material	Plastic	Plastic	Plastic	Plastic	Plastic
	Cabinet Size(W×H×D)mm	960X960	960X960	960X960	960X960	960X960
	Cabinet Material	Standard Iron Cabinet（960X960）/Die-aluminum Cabinet Option				
	Scanning Mode（Scan）	1/16	1/10	1/8	1/5	1/2
	Cabinet Flatness（mm）	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
	Grey Scale（Bit）	≥14bit	≥14bit	≥14bit	≥14bit	≥14bit
	Protection level	IP65	IP65	IP65	IP65	IP65
	Installation/Service Method	Back Installation and back service				
Optical	Brightness(Customized)	4500-5000 cd/m²	5300-5800 cd/m²	5500-6000 cd/m²	5500-6000 cd/m²	5500-6000 cd/m²
	Color Temperature	6000-12000K adjustable				
	Brightness Unifromity	≥98%	≥98%	≥98%	≥98%	≥98%
	Color Temperature	Within 0.003Cx,Cy				
	Horizontal/Vertical View Angle	≥140° /≥120°	≥140° /≥120°	≥140° /≥120°	≥140° /≥120°	≥140° /≥120°
	Contrast Ratio	≥6500: 1	≥6500: 1	≥6500: 1	≥6500:1	≥6500:1
	Horizontal/Vertical View Angle	Yes				
	Brightness Cabinet of Single Dot	Yes				
Operation	Drive mode	Constant Current Drive				
	Module Max Current DC	8A	8A	8.5A	8.5A	8.5A
	Module Input Voltage DC	5V	5V	5V	5V	5V
	Standard Receiving Card	MRV366	MRV366	MRV328	MRV328	MRV328
	Refresh Frame Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
	Max refresh Rate	≥3840Hz/1920Hz				
	Network Connection Port	HUB75	HUB75	HUB75	HUB75	HUB75
	Input Voltage AC	110V-220V	110V-220V	110V-220V	110V-220V	110V-220V
	Cabinet Max Power Consumption	≤800W/m2	≤800W/m2	≤800W/m2	≤800W/m2	≤800W/m2
	Cabinet Aver. Power Consumption	≤260W/m2	≤260W/m2	≤260W/m2	≤260W/m2	≤260W/m2
	Working Temperature	-40℃～+80℃	-40℃～+80℃	-40℃～+80℃	-40℃～+80℃	-40℃～+80℃
	Working Humidity	10%~80%RH	10%~80%RH	10%~80%RH	10%~80%RH	10%~80%RH

Optical Feature:

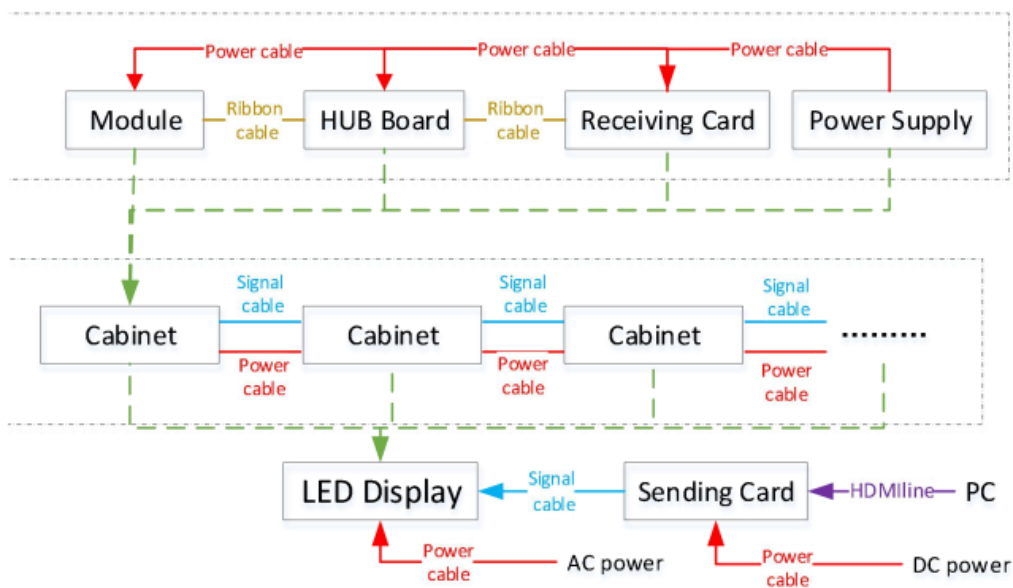


Luminous Diagram



Voltage-current Curve of Lamp

9. Connecting Diagram



10. Packing and After-sale Service

10.1 Packing

Plywood case/Honeycomb carton/Flight case option



10.2 After-sale Service

If need any help during using D-KING display, please for free to contact your salesman.