



PT. MANDIRI ARTHA SOLUSI
EMPOWERING BUSINESS FORWARD

ZK DIGIMAX



Photoelectric LED

Image has noise reduction, anti-mildew, anti-lightning, and fire-retardant.

Specifications

P10~P40 LED photoelectric glass screen technical parameter table					
No.	Project	Optical property parameter			
1	Luminous chip brightness (Red light)	500mcd			
2	Luminous chip brightness (Green light)	800mcd			
3	Luminous chip brightness (Blue light)	180mcd			
No.	Project	Electrical performance parameters			
1	Working voltage	DC5V			
2	Luminous chip brightness (Red light)	20mA			
3	Standard current	160A/m2	120A/m2	80A/m2	60A/m2
4	Floor drain current	≤2mA	≤2mA	≤2mA	≤2mA
5	Average power	280W/m2	200W/m2	140W/m2	100W/m2
6	Peak power	800W/m2	600W/m2	400W/m2	300W/m2
7	Switching power supply	Ac input range 110-240VAC, output 5V			
		Built in active PFC(power factor correction) function			
		Efficiency reaches 91%			
8	Power supply standard	≤2mA			
		380VAC±10%,50Hz			
9	Distribution cabinet	Switch and contactor use Schneider, Siemens and Chinese brands			
No.	Project	Physical property parameter			
1	LED substrate thickness	2mm			
2	Thickness of upper cover plate (glass)	6mm			
3	Thickness of lower cover plate (glass)	6mm			
4	Overall thickness of screen	6+2+6mm tempered glass whiteboard			
5	Cell size	Support customization			
6	Module size	Support customization			
7	Permeability	90%			
8	Display Weight	≤35kg/㎡			
9	Connector	Copper material			
10	Electric wire	National standard multi-core wire, through certification			
11	PCB board	International A material			
12	Protection grade	Better than IP45			
13	Flatness	Joint between modules <0.1mm			

Specifications

P10~P40 LED photoelectric glass screen technical parameter table					
No.	Project	Photoelectric performance parameter			
1	Product model	P10	P20	P30	P40
2	Pixel pitch	10*10mm	20*20mm	31.25*31.25mm	40*40mm
3	Pixel density	10000 points /m ²	2500 points /m ²	1024 points /m ²	625 points /m ²
4	Pixel composition	A pure red tube, a pure green tube and a pure blue tube			
5	Luminous/pixel components	SMD2020 (R, G, B IC) 4-in-1 package			
6	6 Driver IC	Breakpoint continuation (Any single light broken does not affect the rear pixel. Current software adjustment to a single lamp as a unit of arbitrary tailoring)			
7	Bead failure rate	Less than one in ten thousand and distributed discretely			
8	Brilliance control	Automatic or manual adjustment based on the ambient brightness. The value is greater than or equal to 256 levels			
9	Gray level	Grade 8192			
10	Display color	68.71 billion colors			
11	Best viewing	Horizontal 140, vertical 140			
12	Best viewing distance	> 10 m	> 20 m	> 30 m	> 40 m
13	Brightness	White balance brightness 5000cd/m ²	White balance brightness 4000cd/m ²	White balance brightness 2000cd/m ²	White balance brightness 1500cd/m ²
14	Control Method	Through the computer network cable connection control. The screen is displayed in sync with the video front-end processor			
15	Control system	Synchronous/asynchronous			
16	Display port	DVI and HDMI signal connection			
17	Software interface	Windows operating system; Standard computer network interface 18 Continuous			
18	Continuous operation	≥72 Hours			
19	Mean time between failures	≥9000 Hours			
20	Average lifetime	100,000 Hours			
21	Colour temperature	5500K-9300K			
22	Image adjustment	White balance, contrast, visual, tone adjustment			
23	Image processing	Image has noise reduction, enhancement, motion compensation, color coordinate transformation processing			
24	Drive mode	Constant current driving			
25	Scanning mode	Static			
26	Signal processing capability	More than 16bit			

Specifications

P10~P40 LED photoelectric glass screen technical parameter table		
No.	Project	Photoelectric performance parameter
27	Uniformity of luminance	The pixel brightness is greater than 0.95 when the whole screen is at its brightest in monochrome
28	Attenuation rate	28 Attenuation rate T
29	Refresh rate	≥3840HZ
30	Repetition frequency	≥60HZ
31	Video input	Compatible with PAL\NTSC TV signal, compatible with HDTV and SDTV
32	Software interface	WINDOWS、NT、XP、2000
33	Operational environment	Work environment: -10~+45 °C/10~90 %RH Storage environment: -40~+85 °C/10~90 %RH
34	Protective performance	IP65 waterproof grade, moisture-proof, anti-corrosion, anti-mildew, anti-lightning, anti-typhoon, anti-earthquake and fire-retardant
35	Input signal	Remote control and remote message playback
36		Computer video: Digital Video Signal (DVI) X1
37		AVI, WMV, MPG, MP4, FLV, 3GP
38		Audio: WAV/MID, CD-ROM, other video sound signal input
39	Control distance	Network cable < 100m. Optical fiber > 20km

Remarks:

1. In order to ensure safety and meet the requirements of building safety standards, all glass must be tempered and use pvb film. Clamping method for dry clamping;
2. In order to ensure the display effect and the overall architectural aesthetic integration, the LED luminous body must be between two pieces of glass;
3. In order to achieve the characteristics of photoelectric glass and energy saving requirements, it is recommended not to show during the day, which can reflect the permeability of the glass;
4. In order to meet the requirements of curtain wall use, the waterproof grade must be above IP65;
5. In order to ensure the beautiful and clean appearance of the building, dimension segmentation can be satisfied as far as possible according to the requirements of the curtain wall.
6. In order to meet the curtain wall requirements, it is recommended that the glass specification be 6+3.04pvb+6mm; Hollow glass can be configured according to energy saving requirements.

Application



Glazed Garden



Beauty Clinic



Public space



Office

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