



EVER BRIGHT OPTO-ELECTRONICS CO., LIMITED

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LED Outdoor Full Color Display Specification

The Outdoor full color display screen adopts three colors of red, green, and blue LED lamp.

The full color LED display controlling system is made of three main parts as follows:

1. Data sending card: It has used sampling control and store the circuit of high integrated level in the design, which guaranteed the high dependability of the card ; it can adjust the density of every color and contrast ratio through the software ; it can decide a dose of LED menu that has of display screen through the software and it can remove the showing of LED through the software too;
2. Data receiving card: with gray level 4096 (Model 4K) and refresh frequency can support 512*128; full-color receiving card with gray level 16384(model 16K, only for static) and refresh frequency 300HZ can control 160*64;
3. Controller card: the same kind of circuitry board which compatible outdoor one in fourth scan, one in second scan and the whole static state work way
4. LED composing: 1R+1G+1B; 2R+1G+1B, etc.



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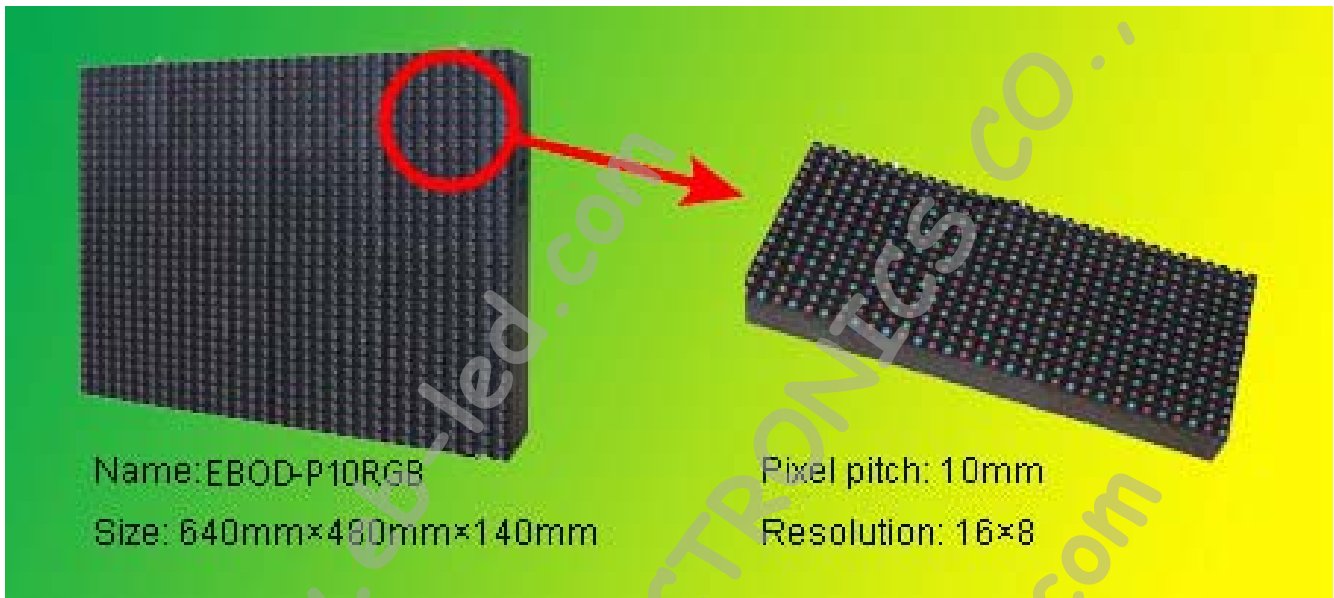
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LED LAMP SERIES:



P10 Specification:

Pixel pitch	10mm
Resolution of module	16×8
Resolution of cabinet	64×48
Density of pixel	10000dots/m ²
Red wavelength	625±2nm
Blue wavelength	470±2nm
Best viewing distance	12-120m
Maximum power consumption	≤2000W/ m ²
IP grade	IP65
Color temperature	6500K
Driving method	Constant scanning 1/2
Refresh frequency	≥300Hz
Working temperature	-20℃-- +60℃
Life span	100,000 hours

Size of module	160mm×80mm
Size of cabinet	640mm×480mm×140mm
Area of cabinet	0.3072 m ²
Pixel configuration	1R1G1B
Green wavelength	525±2nm
Colors	16777216
Horizontal viewing angle	120°
Brightness	≥7000cd/ m ²
Gray scale	256 levels per color
Control method	Synchronization
Frame frequency	60Hz
Working voltage	AC220V/110V±10%
MTBF	More than 10,000 hours



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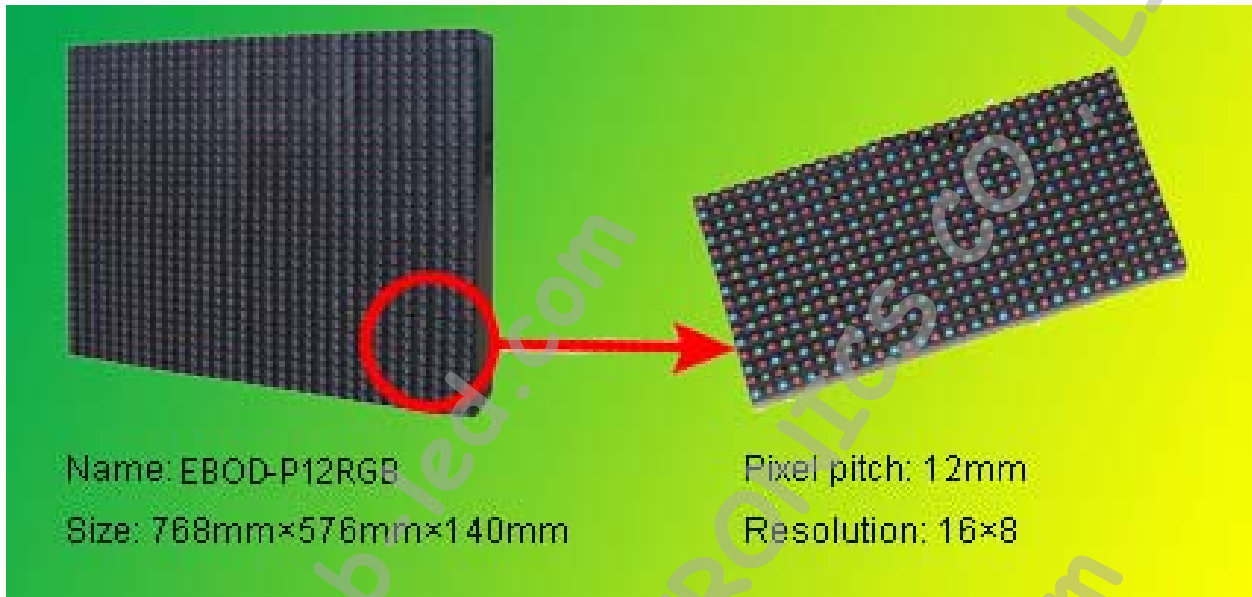
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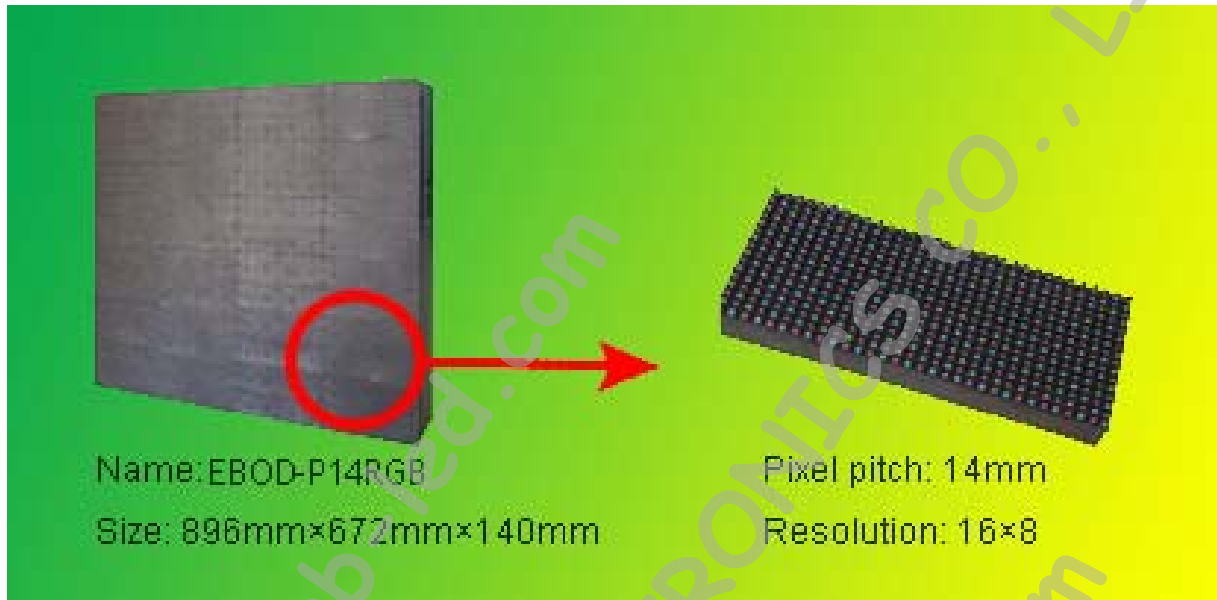
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P12 Specification:

Pixel pitch	12mm
Resolution of module	16×8
Resolution of cabinet	64×48
Density of pixel	6944dots/ m ²
Red wavelength	625±2nm
Blue wavelength	470±2nm
Best viewing distance	12-120m
Maximum power consumption	≤2000W/ m ²
IP grade	IP65
Color temperature	6500K
Driving method	Constant scanning 1/2
Refresh frequency	≥300Hz
Working temperature	-20℃-- +60℃
Life span	100,000 hours

Size of module	192mm×96mm
Size of cabinet	768mm×576mm×140mm
Area of cabinet	0.4424 m ²
Pixel configuration	1R1G1B
Green wavelength	525±2nm
Colors	16777216
Horizontal viewing angle	120°
Brightness	≥7000cd/ m ²
Gray scale	256 levels per color
Control method	Synchronization
Frame frequency	60Hz
Working voltage	AC220V/110V±10%
MTBF	More than 10,000 hours



P14 Specification:

Pixel pitch	14mm
Resolution of module	16×8
Resolution of cabinet	64×48
Density of pixel	5102dots/ m ²
Red wavelength	625±2nm
Blue wavelength	470±2nm
Best viewing distance	12-150m
Maximum consumption power	≤1500W/ m ²
IP grade	IP65
Color temperature	6500K
Driving method	Constant static
Refresh frequency	≥300Hz
Working temperature	-20°C -- +60°C
Life span	100,000 hours

Size of module	224mm×112mm
Size of cabinet	896mm×672mm×140mm
Area of cabinet	0.6021 m ²
Pixel configuration	2R1G1B
Green wavelength	525±2nm
Colors	16777216
Horizontal viewing angle	120°
Brightness	≥7000cd/ m ²
Gray scale	256 levels per color
Control method	Synchronization
Frame frequency	60Hz
Working voltage	AC220V/110V±10%
MTBF	More than 10,000 hours



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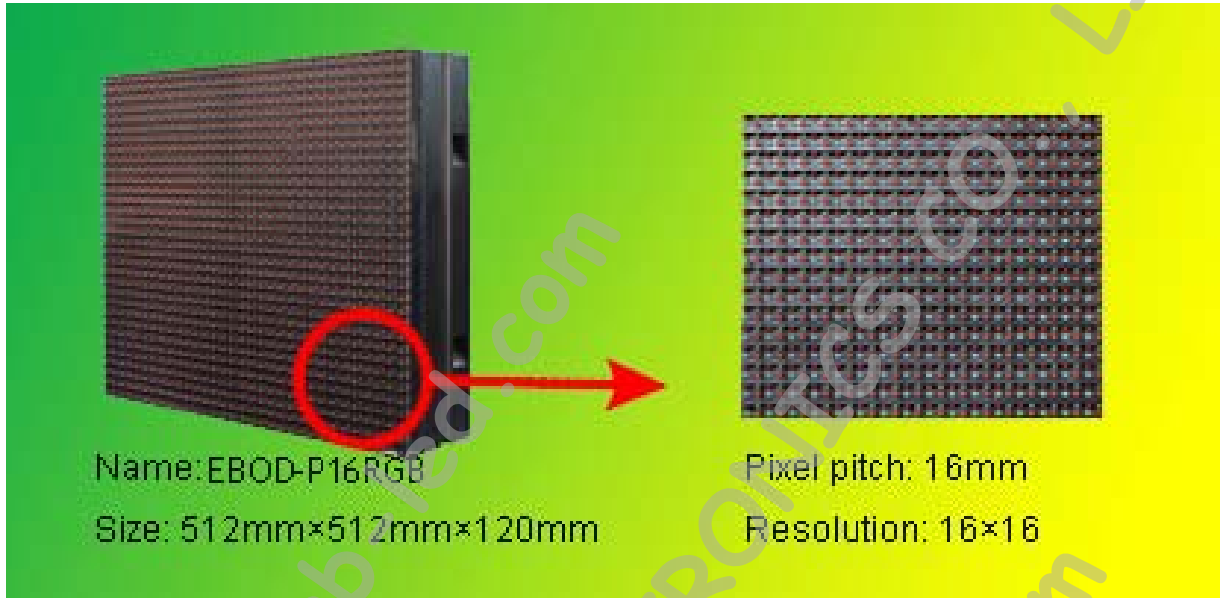
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P16 Specification:

Pixel pitch	16mm
Resolution of module	16×16
Resolution of cabinet	32×32
Density of pixel	3906dots/ m ²
Red wavelength	625±2nm
Blue wavelength	470±2nm
Best viewing distance	15-300m
Maximum power consumption	≤1200W/ m ²
IP grade	IP65
Color temperature	6500K
Driving method	Constant static
Refresh frequency	≥300Hz
Working temperature	-20℃-- +60℃
Life span	100,000 hours

Size of module	256mm×256mm
Size of cabinet	512mm×512mm×120mm
Area of cabinet	0.2621m ²
Pixel configuration	2R1G1B
Green wavelength	525±2nm
Colors	16777216
Horizontal viewing angle	120°
Brightness	≥6500cd/ m ²
Gray scale	256 levels per color
Control method	Synchronization
Frame frequency	60Hz
Working voltage	AC220V/110V±10%
MTBF	More than 10,000 hours



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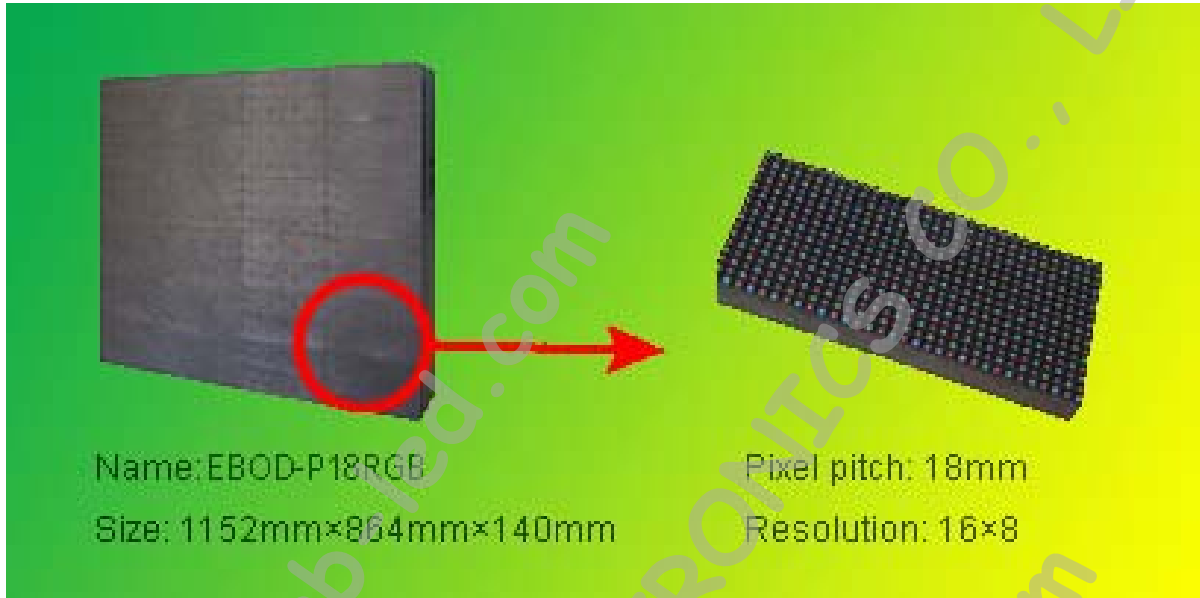
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P18 Specification:

Pixel pitch	18mm
Resolution of module	16×8
Resolution of cabinet	64×48
Density of pixel	3086dots/ m ²
Red wavelength	625±2nm
Blue wavelength	470±2nm
Best viewing distance	15-300m
Maximum consumption power	≤1100W/ m ²
IP grade	IP65
Color temperature	6500K
Driving method	Constant static
Refresh frequency	≥300Hz
Working temperature	-20°C-- +60°C
Life span	100,000 hours

Size of module	288mm×144mm
Size of cabinet	1152mm×864mm×140mm
Area of cabinet	0.9953 m ²
Pixel configuration	2R1G1B
Green wavelength	525±2nm
Colors	16777216
Horizontal viewing angle	120°
Brightness	≥6000cd/ m ²
Gray scale	256 levels per color
Control method	Synchronization
Frame frequency	60Hz
Working voltage	AC220V/110V±10%
MTBF	More than 10,000 hours



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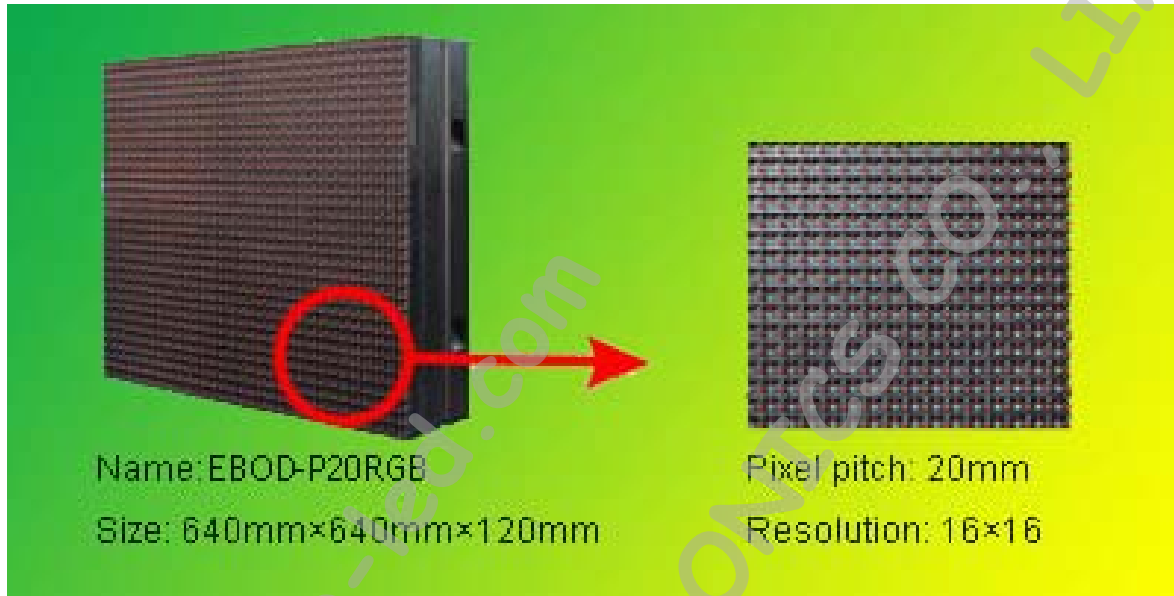
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P20 Specification:

Pixel pitch	20mm
Resolution of module	16×16
Resolution of cabinet	32×32
Density of pixel	2500dots/ m ²
Red wavelength	625±2nm
Blue wavelength	470±2nm
Best viewing distance	15-300m
Maximum power consumption	≤1100W/ m ²
IP grade	IP65
Color temperature	6500K
Driving method	Constant static
Refresh frequency	≥300Hz
Working temperature	-20℃-- +60℃
Life span	100,000 hours

Size of module	320mm×320mm
Size of cabinet	640mm×640mm×120mm
Area of cabinet	0.4096 m ²
Pixel configuration	2R1G1B
Green wavelength	525±2nm
Colors	16777216
Horizontal viewing angle	120°
Brightness	≥5500cd/ m ²
Gray scale	256 levels per color
Control method	Synchronization
Frame frequency	60Hz
Working voltage	AC220V/110V±10%
MTBF	More than 10,000 hours



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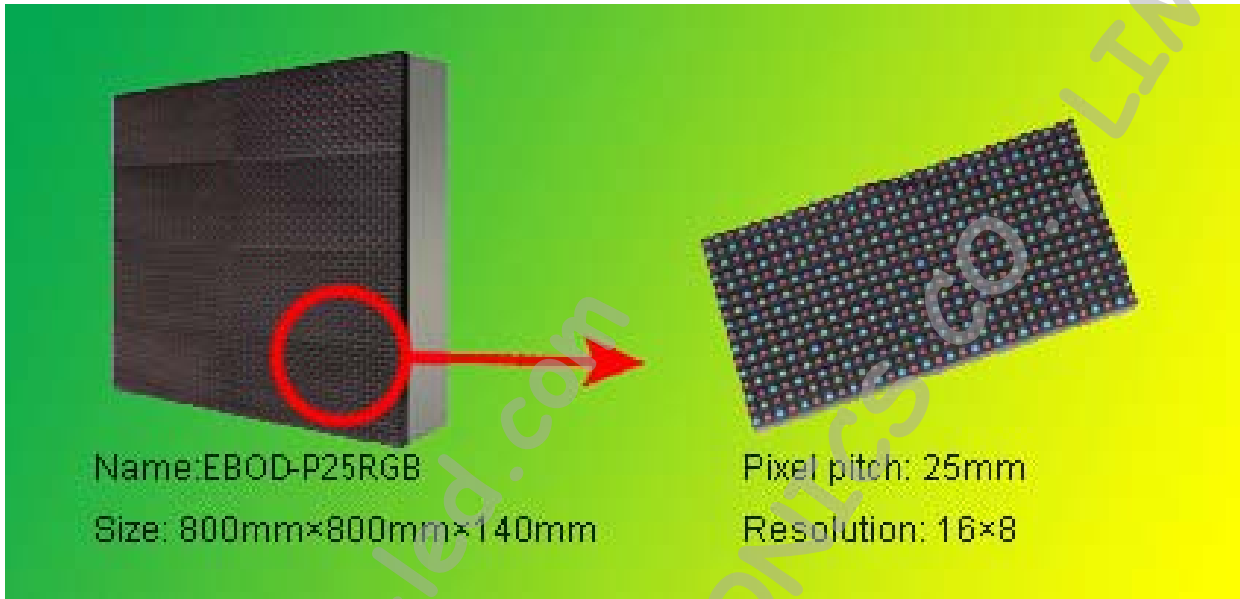
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Name: EBOD-P25RGB

Size: 800mm×800mm×140mm

Pixel pitch: 25mm

Resolution: 16×8

P25 Specification:

Pixel pitch	25mm	Size of module	400mm×200mm
Resolution of module	16×8	Size of cabinet	800mm×800mm×140mm
Resolution of cabinet	32×32	Area of cabinet	0.6400 m ²
Density of pixel	1600dots/ m ²	Pixel configuration	2R1G1B
Red wavelength	625±2nm	Green wavelength	525±2nm
Blue wavelength	470±2nm	Colors	16777216
Best viewing distance	15-300m	Horizontal viewing angle	120°
Maximum consumption power	≤600W/ m ²	Brightness	≥5000cd/ m ²
IP grade	IP65	Gray scale	256 levels per color
Color temperature	6500K	Control method	Synchronization
Driving method	Constant static	Frame frequency	60Hz
Refresh frequency	≥300Hz	Working voltage	AC220V/110V±10%
Working temperature	-20°C-- +60°C	MTBF	More than 10,000 hours
Life span	100,000 hours		



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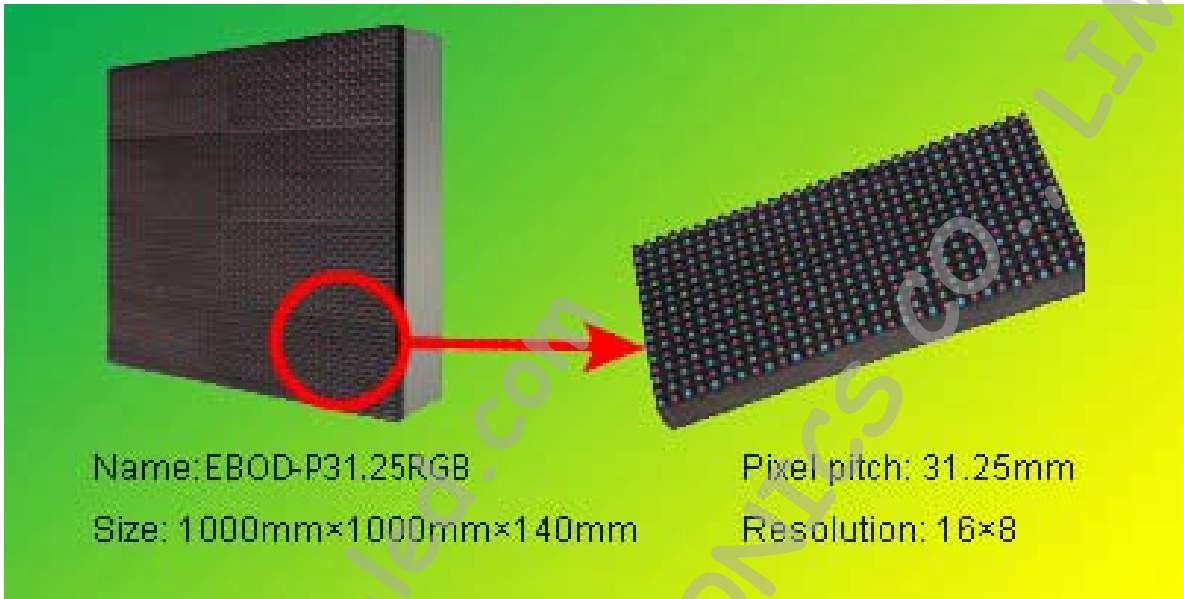
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Name: EBOD-P31.25RGB

Pixel pitch: 31.25mm

Size: 1000mm×1000mm×140mm

Resolution: 16×8

P31.25 Specification:

Pixel pitch	31.25mm	Size of module	500mm×250mm
Resolution of module	16×8	Size of cabinet	1000mm×1000mm×140mm
Resolution of cabinet	32×32	Area of cabinet	1.000 m ²
Density of pixel	1204dots/ m ²	Pixel configuration	2R1G1B
Red wavelength	625±2nm	Green wavelength	525±2nm
Blue wavelength	470±2nm	Colors	16777216
Best viewing distance	15-300m	Horizontal viewing angle	120°
Maximum consumption power	≤400W/ m ²	Brightness	≥5000cd/ m ²
IP grade	IP65	Gray scale	256 levels per color
Color temperature	6500K	Control method	Synchronization
Driving method	Constant static	Frame frequency	60Hz
Refresh frequency	≥300Hz	Working voltage	AC220V/110V±10%
Working temperature	-20°C--+60°C	MTBF	More than 10,000 hours
Life span	100,000 hours		