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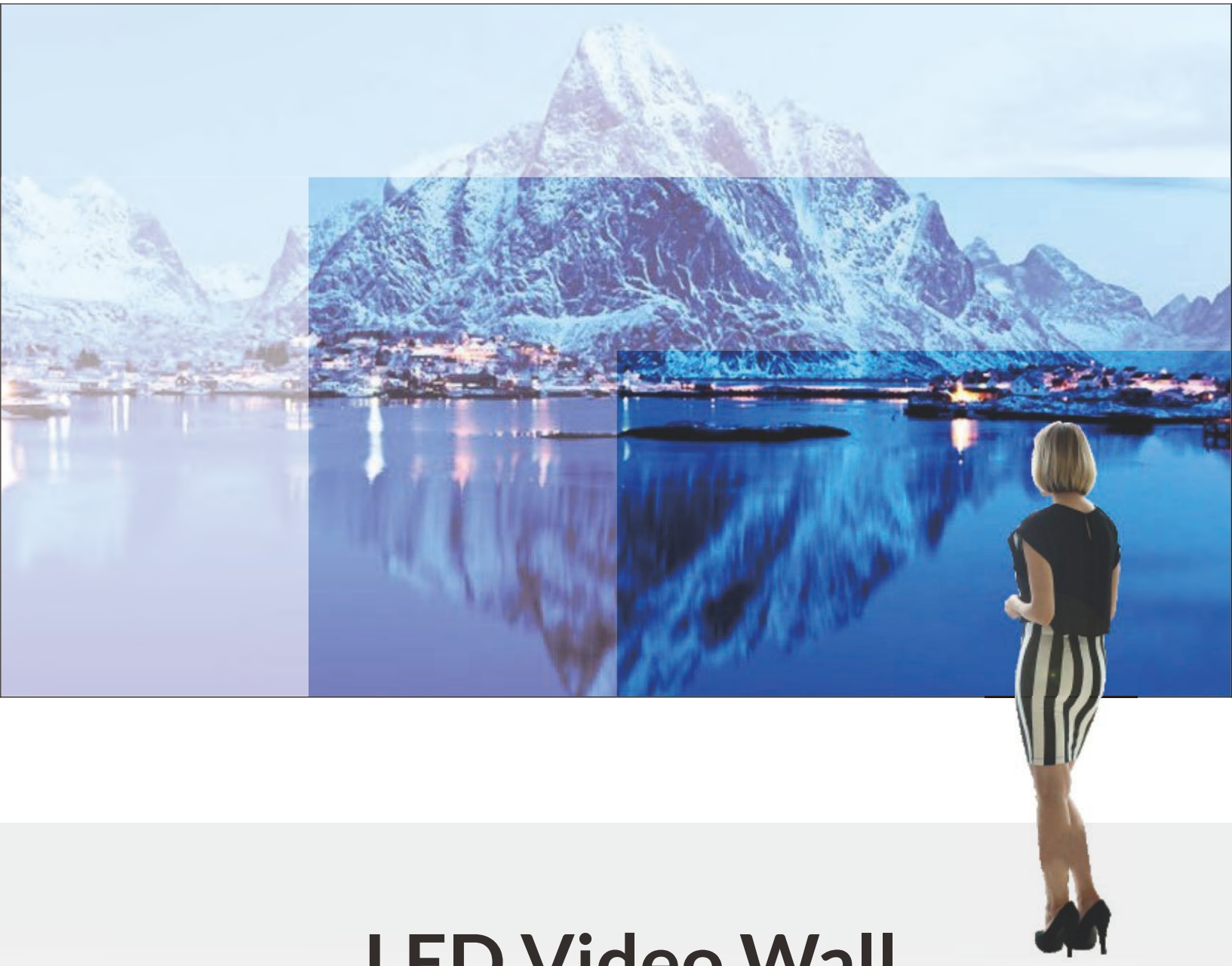
Video Wall Solution Provider

Satisfy Your Unlimited Imagination Of The LED Video Wall

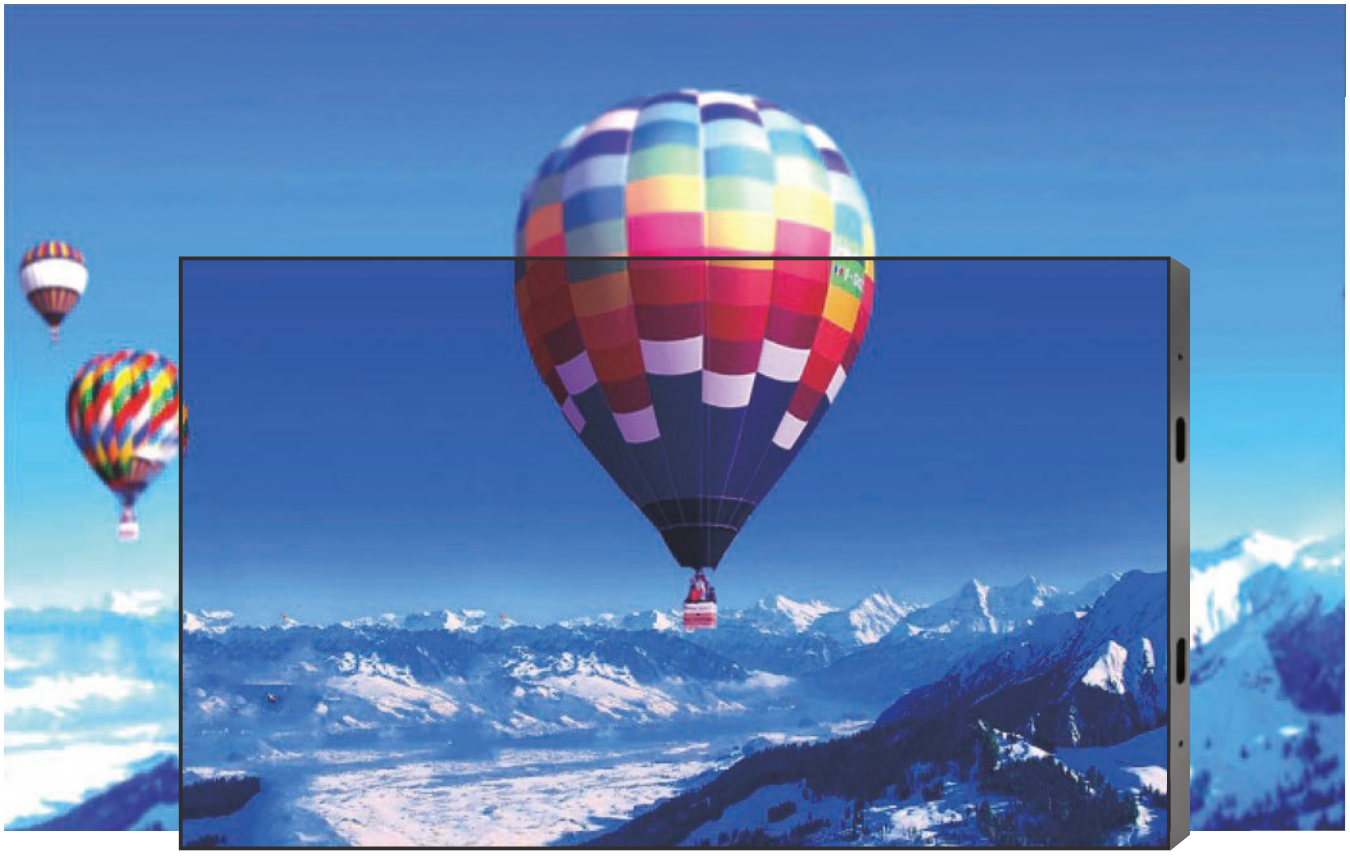


LED Video Wall

TWM Series, TWB Series, TWE Series, TWA Series

Beijing Huahang Shengde Technology Co.,Ltd.

www.brwall.com



TWM Series
LED Display

The TWM series LED display produced by our company has three specifications of P1.25, P1.56 and P1.875, and has the following characteristics:

1. It adopts the golden ratio 16: 9 design, which is convenient for splicing, and can easily splice out 1080P, 2K, 4K, 8K highdefinition pictures, and can realize point-to-point display.
2. Adopting front maintenance design and modular maintenance greatly improve the efficiency of product maintenance. Whenthe module fails, use front maintenance tool to remove the failed module from the front of the cabinet for maintenance or replace the spare parts.
3. The signal cables and power cables between the cabinets are all designed with hard connection, no need additional wiring, neat and beautiful.

Seamless splicing | High heat dissipation | flatness | Low temperature rise | Long life | Fanless | No noise | Automatic alarm | Low failure rate | Use safety

TWM Series LED Display Features

Fully Pre-Maintained

Separate structure of cabinet and module, install cabinet first and then install module during on site assembly, wireless connection between cabinet and cabinet.

Step 1: Stand the front maintenance tool sideways near the cabinet.

Step 2: Put the front maintenance to contact the module, and make sure that the module is roughly in the center.

Step 3: Gently pull the tool, the module will be separated from the cabinet.

Step 4: Install the replaced module through the tool and install it in the same way.

≥50,000 H

MTBF

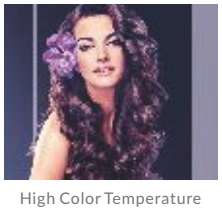
Life

(MTBF): ≥50,000 H

Life: ≥100,000 H

Low Color Temperature

Medium Color Temperature



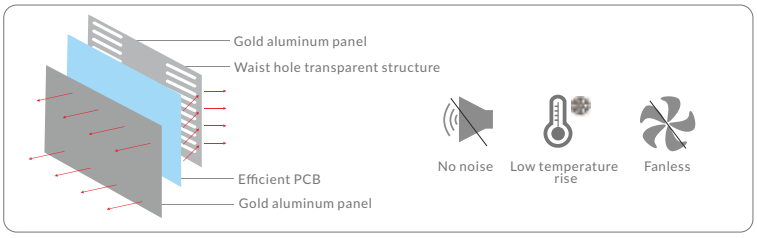
High Color Temperature

Super Wide Color Temperature Can Be Adjusted Step By Step

The ultra-wide color temperature can be adjusted step by step from 1000K to 10000K, which can meet the color temperature requirements of various display applications, especially in studios and entertainment shows.

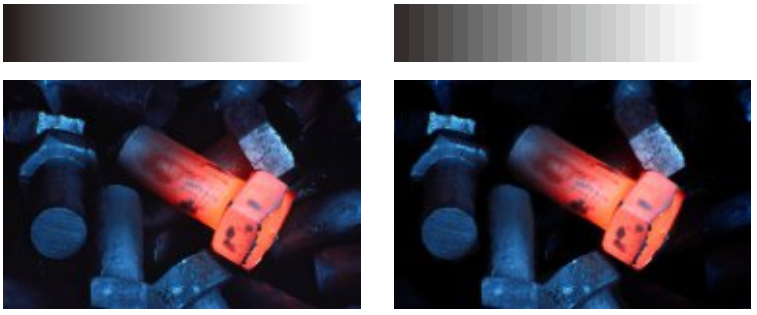
Super-Mute Design

The cabinet adopts a cast aluminum shell for passive heat dissipation, rejects fans and noise, and the equipment operates quietly, make the users leave the noise completely.



Low Brightness And High Gray

The TWM series LED display has the characteristics of low brightness and high gray, and the loss of gray scale is minimum when the brightness is reduced: this feature enables the display to display the picture perfectly and meticulously in any situation.



TWM Series LED Display

Common LED Display

TWM Series LED Display

Common LED Display

Super High Refresh Rate Improves Visual Comfort

The refresh rate of TWM series LED display is not less than 3840Hz, and the shooting picture is stable without ripples and black screen, which effectively solves the smearing and blurring of the image during rapid movement, enhances the clarity and contrast of the image, and makes the annoying picture smooth and smooth It is also not easy to fatigue when watching: with the inverse gamma correction technology and the pointby-point brightness correction technology, the dynamic picture display is more real and natural, even and consistent.

5000:1 High Contrast

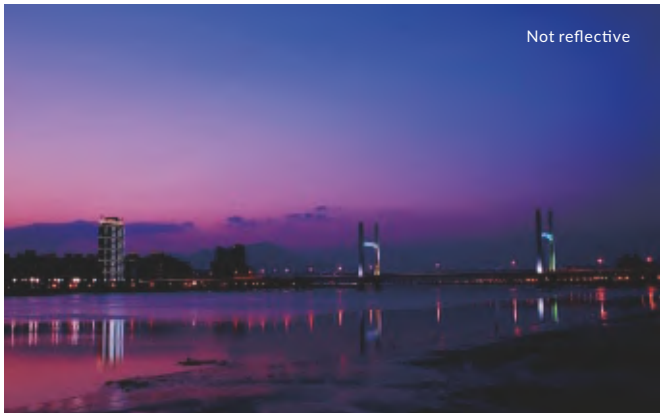
Contrast is a very important index for manually reproducing the image. According to the requirements of the installation site environment of the screen, the contrast should be at least greater than 3000: 1 to obtain a satisfactory visual effect. The fine-pitch LED display adopts high-quality black surface LED lights and non-reflective processing technology on the surface of the screen to enhance the contrast of the screen and increase the contrast of the display to 5000: 1, ensuring the color performance of the picture.

TWM Series LED Display

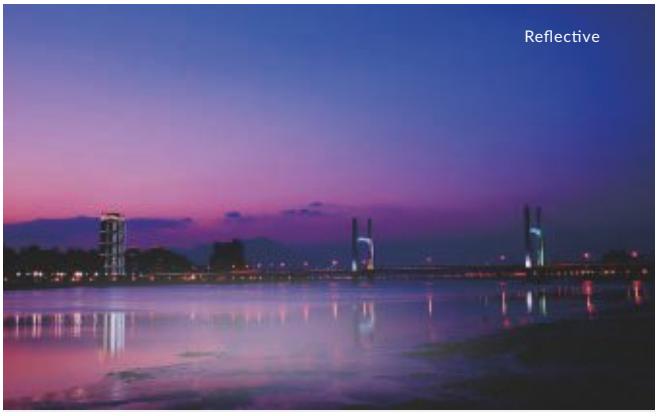
Common LED Display

Surface Non-Reflective Treatment Technology

The LED devices used in the TWM series LED display are all pure black lamp cups and lampshades, sealed with a diffusing agent epoxy resin, the outer surface absorbs light, greatly reducing the reflection of the ambient light on the display surface and improving the screen contrast In the case of strong ambient light, the picture can still be perfectly displayed.



TWM Series LED Display



Common LED Display

TWM Series LED Display

Common LED Display

High Frame Rate And Nanosecond Response Time

TWM series LED display adopts nanosecond display technology to shorten the frame change time to extremely short, compatible with 50Hz and 60Hz frame change frequency, eliminating the smearing and ghosting phenomenon of LCD and projection when processing fast dynamic images, ensuring the audience Viewing consistent and clear images has great advantages in the field of video surveillance and radio and television display.

The Entire Screen Pixel Runaway Rate Is Less Than One In A Million

The internationally leading manufacturing process and strict testing standards ensure that TWM series LED displays leave the factory without dead pixels. The lamp beads used are produced with high-standard processing technology of special materials to improve the temperature resistance, UV resistance and stress resistance of the product, enhance the reliability of the LED chip, and ensure that the pixel loss control rate of the entire screen is less than 1 part per million. Has great advantages.

TWM Series LED Display

Common LED Display

TWM Series LED Display

Common LED Display

Broadcast level Color Gamut Restores True Colors

Using RGB three primary color imaging technology, the color gamut is super wide, the color is richer, reaching the broadcast standard; after the point-by-point brightness and chromaticity correction, the brightness and chromaticity of the screen remain highly consistent, no secondary compensation, and the color is high fidelity; Adopt international leading point-by-point correction technology, use advanced green restoration and skin tone restoration functions, fully adapt to the human eye's perception of color, and bring true sensory experience to users.

TWM Series Parameters

Technical Parameters	Parameters Values		
Model	TWM6312	TWM6315	TWM6318
Pixel Structure	SMD1010	SMD1010	SMD1010
Pixel Pitch	1.25	1.56	1.875
Pixel Density	640000	409600	284444
Module Resolution (W×H)	160×135	128×108	160×90
Module Size (W×H) (mm)	200×168.75		
Module Maximum Power Consumption (W)	25	25	40
Module Of Cabinet (W×H)	3×2		
Cabinet Resolution (W×H)	480×270	384×216	320×180
Cabinet Size (W×H×D) (mm)	600×337.5×80		
Cabinet Area (㎡)	0.2025		
Cabinet Weight (kg)	9.9		
Maintain Style	Front Maintenance		
Screen Flatness (mm)	≤0.1		
Cabinet Material	Die-Cast Aluminum		
Spot-Spot Correction	Support		
White Balance Brightness (cd/㎡)	200 ~ 850 Adjustable		
Color Temperature (K)	3200 ~ 9300 Adjustable		
Viewing Angle (Horizontal 丨Verticla)	160/160		
Light Pixel Centerline Spacing Difference	<3%		
Brightness/Color Uniformity	≥97%		
Contrast Ratio	5000:1		
Max Power Consumption (W/㎡)	800		
Avg Power Consumption (W/㎡)	250		
Power Supply Requirement	AC90 ~ 264V , 47 ~ 63 (Hz)		
Driving Mode (Constant Current Drive)	1/30	1/27	1/30
Grey Scale	65536		
Frame Frequency（Hz）	3840		
Working Temperature/Humidity (℃/RH)	-20 ~ 60 / 10% ~ 85%RH (No Moisture Condensation)		
Storage Temperature/Humidity (℃/RH)	-20 ~ 60 / 10% ~ 85%RH (No Moisture Condensation)		
Certification	CE, FCC, RoHs		

If the product specifications are changed, the actual product shall prevail.

TWB Series
LED Display

The TWB series LED display produced by our company includes P1.0, P1.2, P1.3, P1.5, P1.6, P1.875, P2.0, P2.5, P3.0, P4.0, etc. TThe products more than ten specifications have the following characteristics:
1. The 4: 3 ratio design is used to facilitate any splicing, can support splicing of any size, and can realize pointto-point display;
2. The design with pre-maintenance and post-maintenance methods can be selected according to the actual situation;
3. High contrast can achieve good display effect;
4. Light weight, easy to install and disassemble;
5. Single point and single lamp maintenance can be carried out with low cost;
6. Adopt constant current mode to drive LED, with uniform light emission and low power consumption;
7. All modules adopt 320mmx160mm size design;

Seamless splicing | High heat dissipation | flatness | Low temperature rise | Long life | Fanless | No noise | Automatic alarm | Low failure rate | Use safety

TWB Series LED Display Features

Die-Cast Aluminum Cabinet

Nano Cabinet

Die-Cast Aluminum And Nanostructures

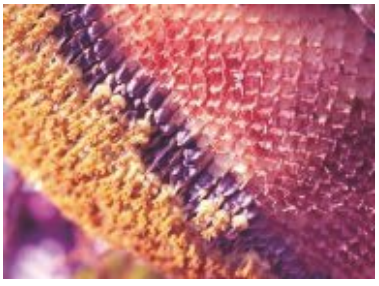
Die-casting aluminum --- exquisite craftsmanship, highlight the luxurious texture

Using new die-casting aluminum high-strength materials and CNC precision machining technology, the precision of the cabinet reaches 0.01mm.

Nano --- special materials, ultra-light and ultra-thin

The use of new nano-technology materials and CNC precision processing technology, high precision, ultra-thin and light box weight, cabinet weight is only 1.7Kg (notinclude LED module weight).

4K High Refresh Rate, Taking Pictures Without Water Ripples, Eliminating Moire



TWB Series LED Display

Common LED Display

No Tailing And Ghosting Phenomenon

The 3840Hz high-brush technology shows more powerful advantages when playing dynamic pictures, without tailing and ghosting scenes, such as live interpretation.

TWB Series LED Display

Common LED Display

Efficient Heat Dissipation, Super-Mute

Using high heat dissipation panel processing technology, fast heat dissipation, longer product life, fanless ultra-quiet design, natural heat dissipation, zero noise, more suitable for indoor applications.

Multi-Maintenance Design (Premaintenance And Back-Maintenance)

Multiple choices for users.

TWB Series LED Display

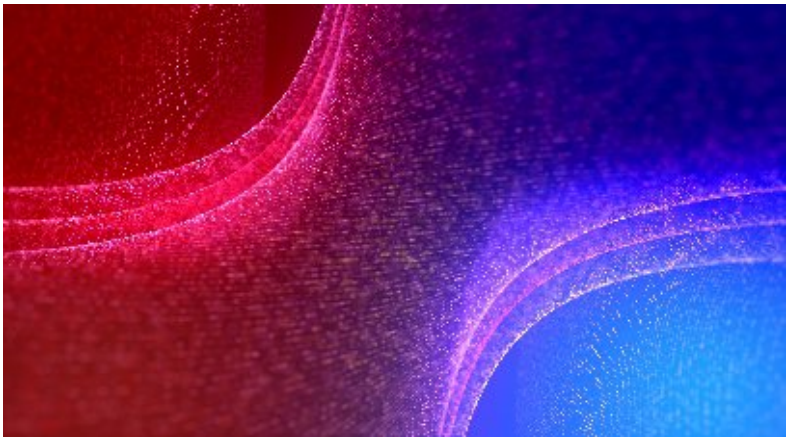
Common LED Display

Wide Color Gamut

Delicate and realistic, the picture is smooth and natural.

Zero Bezel

Realize the "zero bezel", complete picture, no split phenomenon, unlimited splicing and enjoy the big screen.



TWB Series LED Display

TWB Series Parameters

Technical Parameters	Parameters Values									
Model	TWB6410	TWB6412	TWB6413	TWB6415	TWB6416	TWB6418	TWB6420	TWB6425	TWB6430L	TWB6440L
Pixel Structure	SMD0808	SMD1010	1010SMD	SMD1010	SMD1010	SMD1515	SMD1515	SMD2020	SMD2020	SMD2020
Pixel Pitch (mm)	1.0	1.25	1.379	1.538	1.666	1.839	2	2.5	3	4
Pixel Density (Dots/㎡)	1000000	640000	525625	422500	360000	295664	250000	160000	105625	62500
Module Resolution (W×H)	320×160	256×128	232×116	208×104	192×96	174×87	160×80	128×64	104×52	80×40
Module Size （W×H×D） (mm)	320×160×14.5									
Module Maximum Power Consumption （W)	≤41	≤30	≤30	≤30	≤30	≤23	≤23	≤24	≤22	≤24
Module Of Cabinet （W×H)	2×3									
Cabinet Resolution （W×H)	640×480	512×384	464×384	416×312	384×288	384×261	320×240	256×192	280×156	160×120
Cabinet Size (W×H×D) （mm)	640×480×85									
Cabinet Area （㎡)	0.307									
Cabinet Weight （kg)	8.2	8.32	7.91	7.67	7.67	7.73	7.49	7.61	7.55	6.95
Maintain Style	Front Maintenance / Back Maintenance Optional									
Screen Flatness (mm)	≤0.1mm									
Cabinet Material	Die-Cast Aluminum / Nano Optional									
Spot-Spot Correction	Support									
White Balance Brightness (cd/㎡)	450~800 Adjustable									
Color Temperature (K)	3200~9300 Adjustable									
Viewing Angle (Horizontal | Verticla)	160/160	160/160	160/160	160/160	160/160	140/130	140/130	140/130	140/130	140/130
Light Pixel Centerline Spacing Difference	<3%									
Brightness/Color Uniformity	≥97%									
Contrast Ratio	5000:1									
Max Power Consumption (W/㎡)	≤791	≤580	≤580	≤580	≤580	≤439	≤439	≤457	≤413	≤465
Avg Power Consumption (W/㎡)	250									
Power Supply Requirement	AC90~264V,47~63(Hz)									
Driving Mode	Constant Current Drive,1/40 Scan	Constant Current Drive,1/27 Scan	Constant Current Drive,1/29 Scan	Constant Current Drive,1/26 Scan	Constant Current Drive,1/32 Scan	Constant Current Drive,1/29 Scan	Constant Current Drive,1/40 Scan	Constant Current Drive,1/32 Scan	Constant Current Drive,1/26 Scan	Constant Current Drive,1/20 Scan
Grey Scale	65536									
Frame Frequency (Hz)	3840	3840	3840	3840	3840	3840	3840	3840	1920	1920
Video Effect	-20～60 / 10%～85%RH （No Moisture Condensation									
Certificate	CE, FCC, RoHs									

If the product specifications are changed, the actual product shall prevail.

TWA Series
LED Display

The TWA series LED display produced by our company has P1.875, P2.0, P2.5, P3.0, P4.0, P5 and other six specifications, with the following characteristics:
1. Adopt 1: 1 Designed to facilitate any splicing, can support splicing of any size, and can realize point-topoint display;
2. The design with pre-maintenance and post-maintenance methods can be selected according to the actualsituation;
3.High contrast can achieve good display effect;
4. Light weight, easy to install and disassemble;
5. Single point and single lamp maintenance can be carried out with low cost;
6. Adopt constant current mode to drive LED, with uniform light emission and low power consumption;
7. All modules adopt 1: 1 and 2: 1 size design;

Seamless splicing | High heat dissipation | flatness | Low temperature rise | Long life | Fanless | No noise | Automatic alarm | Low failure rate | Use safety

TWA Series LED Display Features

Ultra Wide Viewing Angle

The LED display supports ultra-wide angle, and the horizontal and vertical viewing angle can be up to 160 degrees. It can be viewed arbitrarily within the range of 160 degrees, and the display picture is perfectly presented.

TWA Series LED Display

Common LED Display

Screen Flatness

The surface flatness of the display screen is within 0.1mm to ensure that the displayed image will not be distorted. The unevenness of the surface will cause the blind angle of the viewing angle of the LED display screen, and the brightness of the stitching seam is different.

Color Reproducibility

The TWA series products produced by our company have very good image color reproducibility. The color of the LED display and the playback source maintain a high degree of consistency, thus ensuring the authenticity of the image. My company's LED screen uses HDR technology to bring richer colors and restore more realistic images.

The dynamic range of the human eye

Audience visible picture

TWA Series LED Display

Common LED Display

TWA Series Parameters

Technical Parameters	Parameters Values						
Model	**TWA4818**	TWA5120	**TWA4825**	**TWA5730**	**TWA6440**	**TWA7640**	**TWA6450**
Pixel Structure	SMD1515	SMD1515	SMD2020	SMD2020	SMD2020	SMD2020	SMD2121
Pixel Pitch	1.875	2	2.5	3	4	4	5
Pixel Density（Dots/㎡）	284444	250000	160000	111111	62500	62500	40000
Module Resolution (W×H)	128×128	128×64	96×96	64×64	80×40	64×64	64×32
Module Size (W×H) (mm)	240×240	256×128	240×240	192×192	320×160	256×256	320×160
Module Of Cabinet (W×H)	2×2	2×4	2×2	3×3	2×4	3×3	2×4
Cabinet Resolution (W×H)	256×256	256×256	192×192	192×192	160×160	192×192	128×128
Cabinet Size (W×H) (mm)	480×480	512×512	480×480	576×576	640×640	768×768	640×640
Cabinet Area (㎡)	0.2304	0.2621	0.2304	0.3318	0.4096	0.5898	0.4096
Cabinet Weight (kg)	5.5	8.6	5.5	7	11.5	14	12
Screen Flatness (mm)	≤0.1						
Maintain Style	Front Maintenance / Back Maintenance Optional						
Cabinet Material	Die-Cast Aluminum / Nano Optional						
Spot-Spot Correction	Support						
White Balance Brightness (cd/㎡)	200-850 Adjustable						
Color Temperature (K)	2000-9500 Adjustable						
Viewing Angle (Horizontal | Verticla)	160/160						
Light Pixel Centerline Spacing	<3%						
Brightness/Color Uniformity	≥97%						
Contrast Ratio	4000:1	4000:1	8000:1	4000:1	4000:1	4000:1	4000:1
Max Power Consumption (W/㎡)	800	800	650	550	700	750	800
Avg Power Consumption (W/㎡)	300	300	220	200	350	300	350
Power Supply Requirement	100-240VAC 50/60Hz						
Frame Rate (HZ)	60/120 (For 3D)						
Driving Mode	Constant Current Drive , 1/32				Constant Current Drive , 1/20	Constant Current Drive , 1/32	Constant Current Drive , 1/16
Grey Scale	65536						
Frame Frequency (Hz)	3840	1920/3840	3840	1920/3840	1920/3840	1920/3840	1920/3840
Color Processing Level	16bit						
Working Temperature/Humidity (℃ /RH)	-20 ~ 60 / 10% ~ 85%RH (No Moisture Condensation)						
Certificate	CE, FCC, RoHs						

If the product specifications are changed, the actual product shall prevail.

TWE Series
LED Display

The TWE series of LED display screens produced by our company have the specifications of P1.25, P1.56, P1.667 and so on. They have the following characteristics:
1. The 4: 3 ratio design is used to facilitate any splicing and can support splicing of any size. , Can achieve point-to-point display;
2. The design with pre-maintenance and post-maintenance methods can be selected according to the actual situation;
3. High contrast can achieve good display effect;
4. Light weight, easy to install and disassemble;
5. Single point and single lamp maintenance can be carried out with low cost;
6. Adopt constant current mode to drive LED, with uniform light emission and low power consumption;
7. All modules adopt 2: 1 size design;

Seamless splicing | High heat dissipation | flatness | Low temperature rise | Long life | Fanless | No noise | Automatic alarm | Low failure rate | Use safety

TWE Series LED Display Features

Ultra Wide Viewing Angle

The LED display supports ultra-wide angle, and the horizontal and vertical viewing angle can be up to 160 degrees. It can be viewed arbitrarily within the range of 160 degrees, and the display picture is perfectly presented.

TWE Series LED Display

Common LED Display

Super High Refresh Rate Improves Visual Comfort

The refresh rate of TWE series LED display is not less than 3840Hz, and the shooting picture is stable without ripples and black screen, which effectively solves the smearing and blurring of the image during rapid movement, enhances the clarity and contrast of the image, and makes the annoying picture smooth and smooth It is also not easy to fatigue when watching: with the inverse gamma correction technology and the pointby-point brightness correction technology, the dynamic picture display is more real and natural, even and consistent.

5000:1 High Contrast

Contrast is a very important index for manually reproducing the image. According to the requirements of the installation site environment of the screen, the contrast should be at least greater than 3000: 1 to obtain a satisfactory visual effect. The small-pitch LED display adopts high-quality black surface LED lights and non-reflective processing technology on the surface of the screen to enhance the contrast of the screen and increase the contrast of the display to 5000: 1, ensuring the color performance of the picture.

TWE Series LED Display

Common LED Display

TWE Series Parameters

Technical Parameters	Parameters Values		
Model	**TWE4312**	**TWE4315**	**TWE4316**
Pixel Structure	SMD1010	SMD1010	SMD1010
Pixel Pitch	1.25	1.56	1.667
Pixel Density (Dots/m²)	640000	409800	360000
Module Resolution (W×H)	160×120	128×96	120×90
Module Size (W×H) (mm)	200×150		
Module Of Cabinet (W×H)	2×2		
Cabinet Resolution (W×H)	320×240	256×192	240×180
Cabinet Size (W×H) (mm)	400×300		
Cabinet Area (m²)	0.12		
Cabinet Weight (kg)	4.2	4.2	4.5
Screen Flatness (mm)	≤0.1		
Maintain Style	Front Maintenance / Back Maintenance Optional		
Cabinet Material	Die-Cast Aluminum / Nano Optional		
Spot-Spot Correction	Support		
White Balance Brightness (cd/m²)	200-800 Adjustable		
Color Temperature (K)	2000-9500		
Viewing Angle (Horizontal | Verticla)	160/160		
Light Pixel Centerline Spacing Difference	<3%		
Brightness/Color Uniformity	≥97%		
Contrast Ratio	8000:1		
Max Power Consumption (W/m²)	≤400	≤600	≤600
Avg Power Consumption (W/m²)	200		
Power Supply Requirement	100-240VAC 50/60Hz		
Frame Rate (HZ)	60/120 (For 3D)		
Driving Mode	Constant Current Drive,1/32 Scan		
Grey Scale	65536		
Frame Frequency (Hz)	3840		
Color Processing Level	16bit		
Working Temperature/Humidity (℃ /RH)	-20 ~ 60 / 10% ~ 85%RH (No Moisture Condensation)		
Certificate	CE, FCC, RoHs		

If the product specifications are changed, the actual product shall prevail.

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BRWall
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