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outdoor full color LED Displays

Outdoor Full-Color LED Display



Outdoor Full-Color LED Display Front



Outdoor Full-Color LED Display Back

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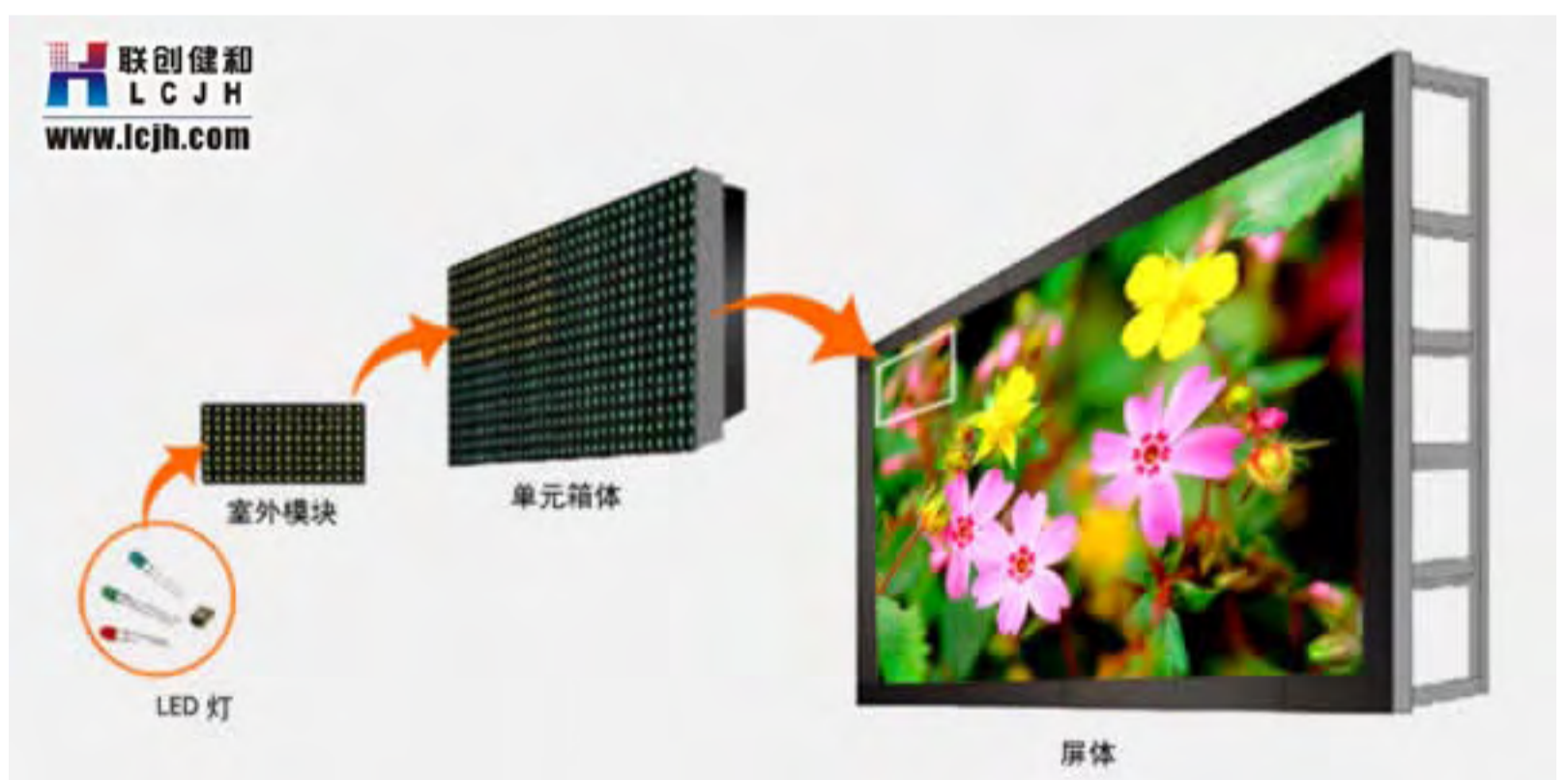
LJCH **outdoor full-color LED displays** have special technology. All the lamps are arranged in vertical line and horizontal line. All the lamps can stand vertically (or with the same angle) on the PCB. The luminance dots are distributed uniformly to avoid a "black hole". We make the whole produce process under the anti-static control, to prevent the harm of static and reduce the rate of burning out. At present, the dead dot rate of our outdoor LED display can be controlled within 1/10,000. After many years cooperation, LCJH have become the strategic business partner of USA Cree and Cotco (Remark: Cree is a world-famous manufacturer of LED chips, Cotco is a professional packaging factory, which is subsidiary of Cree.). And we are the biggest buyer of Cree in Asia and Pacific region. In order to keep the best quality of our **LED display**, we use Cree Cotco Lens, which can be selected by grade. Thus, we can sure the rate of brightness difference less than 1:1.2. It means the luminance difference for any two lamps are less than 20%. So, the luminance and color of whole screen are uniformity.

Besides, LCJH **outdoor full-color LED display** have the following advantages, compared with others:

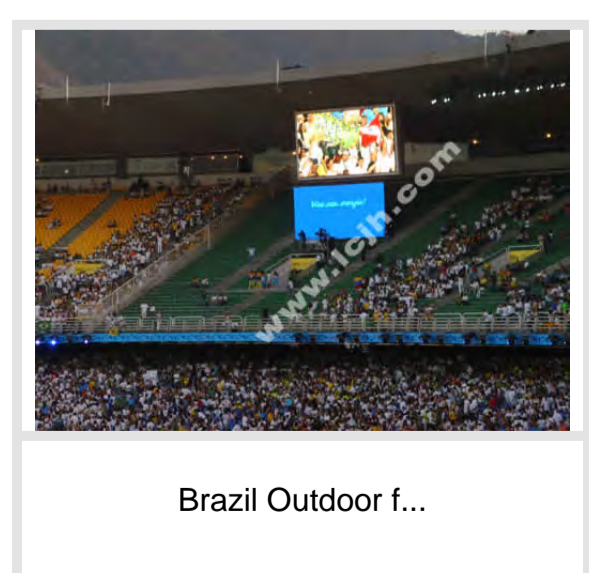
1. LJCH use high quality imported silica gel, which have a excellent capability of waterproof, anti-freeze and anti-high temperature etc.
2. LCJH **outdoor full-color LED display** passed the test of waterproof and dustproof, which Passed IP65, and some items pass IP67.
3. LCJH **outdoor full-color LED display** was test by Shenzhen Academy of Metrology and Quality Inspection. The result shows: our LED display can be used under the temperature of - 25 till + 75 .
4. There are arrises on the bottom of modules, which have a good capability to stand pressure, then can keep smooth for each cabinet.
5. There is a slip steel sheet on the upside of our cabinet, and a runner on the bottom side of our cabinet, which can be adjusted to shorten the gaps of two cabinets. Then keep the smooth of whole **LED display**.

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| Main Specification of LCJH Outdoor LED Display | | | | | | | | | | | | | | | | |
|--|---|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| Item | PH10 (Single) | PH10 (Full-color) | PH12 (Two-color) | PH12 (Full-color) | PH14 (Two-color) | PH14 (Full-color) | PH16 (Two-color) | PH16 (Full-color) | PH18 (Two-color) | PH18 (Full-color) | PH20 (Two-color) | PH20 (Full-color) | PH25 (Two-color) | PH25 (Full-color) | PH32 (Full-color) | PH36 (Full-color) |
| Pixel Pitch | 10mm | 10mm | 12mm | 12mm | 14mm | 14mm | 16mm | 16mm | 18mm | 18mm | 20mm | 20mm | 25mm | 25mm | 32mm | 36mm |
| Cabinet Size | 320mm*320mm | 840mm*480mm | 768mm*576mm | 768mm*576mm | 896mm*672mm | 896mm*672mm | 1024mm*768mm | 1024mm*768mm | 1280mm*960mm | 1280mm*960mm | 1280mm*1200mm | 1280mm*1200mm | 1200mm*1200mm | 1200mm*1200mm | 1024mm*1024mm | 576mm*288mm |
| Pixel Density | 10000 dots/m ² | 10000 dots/m ² | 6944 dots/m ² | 6944 dots/m ² | 5102 dots/m ² | 5102 dots/m ² | 3906 dots/m ² | 3906 dots/m ² | 3086 dots/m ² | 3086 dots/m ² | 2500 dots/m ² | 2500 dots/m ² | 1600 dots/m ² | 1600 dots/m ² | 976 dots/m ² | 771 dots/m ² |
| Chip Color | 1R | 1R1Y1G1B | 1R1P1G | 1R1P1G1B | 1R1P1G | 1R1P1G1B | 2R1P1G | 2R1P1G1B | 2R1P1G | 2R1P1G1B | 2R1P1G | 2R1P1G1B | 2R1P1G | 2R1P1G1B | 2R1P1G1B | 1R1P1G1B |
| Dots/Cabinet | 32 dots*32 dots | 64 dots*48 dots | 64 dots*48 dots | 64 dots*48 dots | 64 dots*48 dots | 64 dots*48 dots | 64 dots*48 dots | 64 dots*48 dots | 32 dots*16 dots | 32 dots*16 dots | 64 dots*48 dots | 64 dots*48 dots | 48 dots*48 dots | 48 dots*48 dots | 32 dots*32 dots | 16 dots*8 dots |
| Physical Resolution | 1024 dots | 3072 dots | 3072 dots | 3072 dots | 3072 dots | 3072 dots | 3072 dots | 3072 dots | 512 dots | 512 dots | 3072 dots | 3072 dots | 2304 dots | 2304 dots | 1024 dots | 128 dots |
| Weight | 30kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 45kg/m ² | 45kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 60kg/m ² | 45kg/m ² |
| Best Viewing Angle | 10°~100m | 10°~100m | 12°~120m | 12°~120m | 12°~150m | 12°~150m | 15°~300m | 15°~300m | 15°~300m | 15°~300m | 15°~300m | 15°~300m | 20°~300m | 20°~300m | 25°~500m | 35°~700m |
| Temperature Range | Storage: -40°C ~ +85°C; Working: -20°C ~ +50°C | | | | | | | | | | | | | | | |
| Panel Depth | Cabinet Depth < 15cm + Maintenance 70cm | | | | | | | | | | | | | | | |
| Average Power Consumption | 100~250W/m ² | 400~800W/m ² | 450~900W/m ² | 800~1600W/m ² | 300~700W/m ² | 600~1300W/m ² | 400~800W/m ² | 200~1000W/m ² | 400~450W/m ² | 200~800W/m ² | 400~450W/m ² | 200~800W/m ² | 400~550W/m ² | 200~450W/m ² | 150~350W/m ² | 100~250W/m ² |
| Maximum Power Consumption | <400W/m ² | <1200W/m ² | <1400W/m ² | <2600W/m ² | <1000W/m ² | <2000W/m ² | <1100W/m ² | <1200W/m ² | <650W/m ² | <1200W/m ² | <700W/m ² | <1200W/m ² | <800W/m ² | <1200W/m ² | <500W/m ² | <400W/m ² |
| Control Method | Synchronization Operation | | | | | | | | | | | | | | | |
| Graphics Board | DVI | | | | | | | | | | | | | | | |
| Drive Method | 1/4 Scan | 1/4 Scan | Static | Static | Static | Static | Static | Static | Static | Static | Static | Static | Static | Static | Static | Static |
| Frame Rate | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz | >60Hz |
| Refresh Rate | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz | 180°/300Hz |
| Grey Scale | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize | Realize |
| Calibrated Brightness | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M | 16.7M |
| Brightness Adjust | >2000cd/m ² | >5000cd/m ² | >4000cd/m ² | >7000cd/m ² | >5000cd/m ² | >6500cd/m ² | >5000cd/m ² | >6500cd/m ² | >4000cd/m ² | >5000cd/m ² | >4000cd/m ² | >5000cd/m ² | >5000cd/m ² | >5000cd/m ² | >5000cd/m ² | >3000cd/m ² |
| Working Current (AC) | Software 32 Grade Adjustable WIN98, WINXP, WIN2000, etc. | | | | | | | | | | | | | | | |
| Video Signal | 220V/110V±15% RF, S-Video, RGB, RGBHV, YUV, YC, COMPOSITON, etc. | | | | | | | | | | | | | | | |



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