

CREATELED®

# TV-46

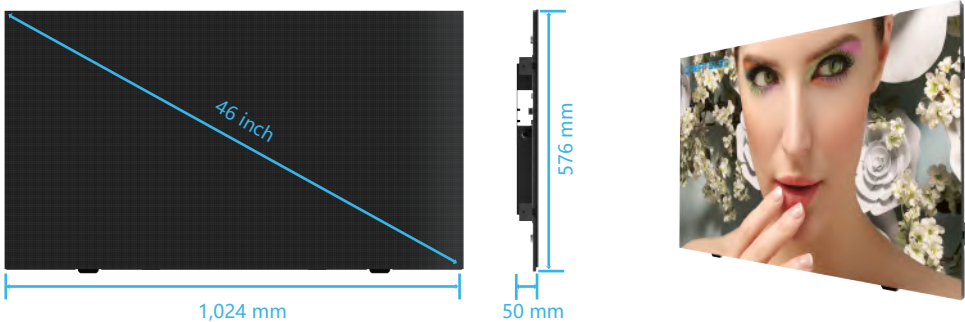
## Ultra High Definition LED Display

16:9 Panel, 2K/4K/8K Resolution Easily Achieved  
User-friendly Installation & Maintenance  
Full-Front Installation & Maintenance  
Precise Panel Alignment



### Featured Designs

- TV-46 cabinet adopts aluminum alloy material with high heat dissipation, and the convection hole is designed according to the principle of air convection, so that the internal heat can be dissipated more efficiently, the electrical performance is stabilized, the aging attenuation curve of the LED lamp and the brightness of the screen are improved, and extend the life of the screen.
- The cabinet adopts integrated one-time positioning processing, which has extremely high processing precision and flatness; the module adopts no plastic bottom case design, the light board is close to the aluminum alloy case, and the components are directly inserted and combined, the heat dissipation effect is better, and the accumulation is reduced. The cabinet will be better flatness, so that it has a large viewing angle of 160°/140°. The images seen from the left and right sides of the screen and up and down are clearer and more uniform.



- TV-46 cabinet adopts 16:9 ratio, making it ideal for creating 16:9, 4:3 ratio, easy to build up the exactly 2K/4K/8K display screen.
- Dot by dot display in order to match the mainstream 16:9 video source, and eliminate the card frame and smear phenomenon caused by ordinary dot by dot restoration.

HD

TV-46 / Specifications

	TV-46-1	TV-46-2X	TV-46-2
Physical Pitch	1.6 mm	2.13 mm	2.67 mm
Pixel Configuration	SMD 1010	SMD 1515	SMD 2020
Pixel Density	390,625 pixels/m <sup>2</sup> 230,400 pixels/panel	219,961 pixels/m <sup>2</sup> 129,600 pixels/panel	139,876 pixels/m <sup>2</sup> 82,944 pixels/panel
LED Module Dimensions (mm)	256 × 192	256 × 192	256 × 192
Panel Dimensions (W × H × D) (mm)	1,024 × 576 × 50	1,024 × 576 × 50 *	1,024 × 576 × 50 *
No. of Modules Per Panel (W × H)	4 × 3	4 × 3	4 × 3
Physical Resolution of Module (W × H)	160 × 120	120 × 90	96 × 72
Physical Resolution of Panel (W × H)	640 × 360	480 × 270	384 × 216
Weight Per Panel	17 kg/panel	17 kg/panel *	17 kg/panel *
Weight Per m <sup>2</sup>	28.9 kg/m <sup>2</sup>	28.9 kg/m <sup>2</sup> *	28.9 kg/m <sup>2</sup> *
Processing	14 - 16 bit	14 - 16 bit	14 - 16 bit
Colours	281 trillion	281 trillion	281 trillion
Contrast Ratio	4,000 : 1	4,000 : 1	4,000 : 1
Average Power Consumption	110 - 184 w/panel *	110 - 184 w/panel *	110 - 184 w/panel *
Max Power Consumption	368 w/panel *	368 w/panel *	368 w/panel *
Operating Temp/Humidity	-10 - 40°C/10% - 60%	-10 - 40°C/10% - 60%	-10 - 40°C/10% - 60%
Storage Temp/Humidity	-30 - 60°C/10% - 60%	-30 - 60°C/10% - 60%	-30 - 60°C/10% - 60%
Brightness	600 - 800 nits	600 - 800 nits	1,000 nits
Refresh Rate	1,920 - 3,840 Hz	1,920 - 3,840 Hz	1,920 - 3,840 Hz
Horizontal Viewing Angle	160°	160°	160°
Vertical Viewing Angle	140°	140°	140°
Expected LED Lifetime (Max)	100,000 Hrs	100,000 Hrs	100,000 Hrs
Installation	Wall-mounted	Wall-mounted	Wall-mounted
Servicing	Front	Front *	Front *
IP Rating	IP 30	IP 30	IP 30

**\*The specification will be different based on different configuration.**  
**Remark: Just for reference. If any request, welcome to contact us. The final interpretation belongs to ShenZhen CreateLED Electronics Co., Ltd.**

Typical Applications

- Monitoring, command and control centre

➤ Shopping mall

➤ Opera house

➤ House of Worship
- Reception hall

➤ Theatre stage design

➤ High-level video conferencing
- Window display

➤ Airport

➤ Stadium