55 inches

Spatial Display

Product Overview

Spatial Frame Display is not a traditional LCD screen, but an innovative **glasses-free 3D advertising display** designed primarily for commercial applications. Powered by advanced display technology, it delivers an immersive visual experience by seamlessly connecting the real and virtual worlds, allowing viewers to enjoy realistic 3D effects in commercial spaces without the need for any additional equipment.

The Spatial Display precisely directs different images to the left and right eyes, using binocular parallax to enable the human brain to naturally perceive depth and spatial dimensions. To achieve the best visual performance, it adopts a unique rendering approach of **"2D foreground + 3D background"**. The foreground subject is presented with high-definition 2D resolution, while the 3D depth effect is created through the background layer, delivering a more immersive sense of space.

This innovative solution effectively addresses common challenges of traditional glasses-free 3D displays, such as reduced image quality and limited viewing angles, providing a clearer, wider, and more realistic 3D viewing experience.

Note: The 3D conversion refers to the spatial depth effect created on the display. The original video content itself is not directly converted into a true 3D video format.

Application Scenarios

As a powerful tool for commercial visual communication, the **Spatial Frame Display** brings a new level of engagement and creativity to various environments:

- **Luxury Retail:** Create stunning 360° stereoscopic presentations of jewelry, handbags, and premium products, highlighting intricate details, craftsmanship, and texture.
- **Fashion Stores:** Showcase dynamic virtual models wearing different outfits, enhancing customer interaction and increasing engagement time.
- **Museums & Exhibition Halls:** Present cultural artifacts and exhibits with a floating visual effect, offering visitors a completely new interactive viewing experience.
- **Public Spaces:** Deliver highly impactful brand advertisements and information displays in shopping malls, airports, and other high-traffic areas, capturing audience attention instantly.

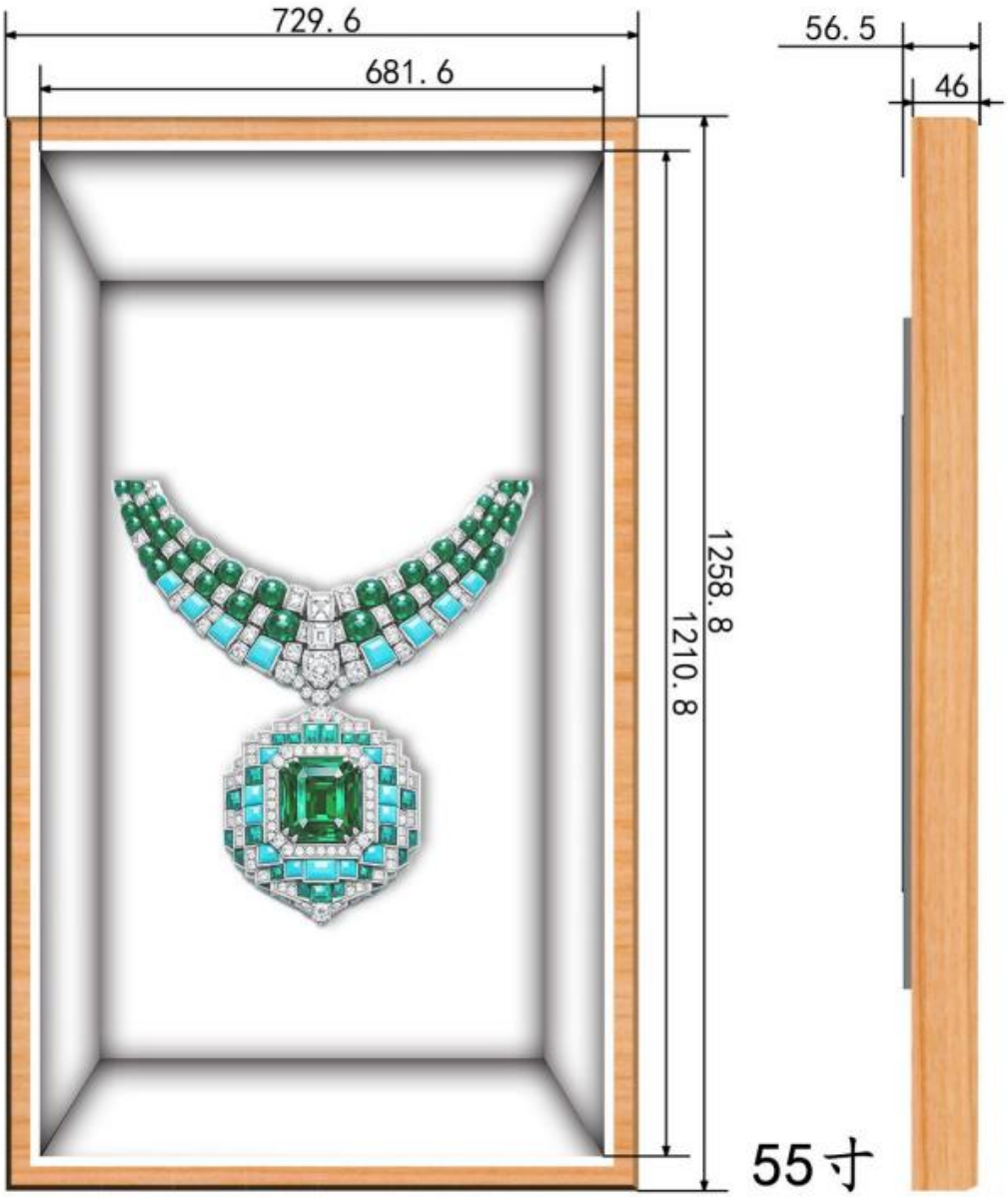
From transforming flat images into immersive three-dimensional experiences, the **Spatial Frame Display redefines the future of visual presentation**. It creates a window that breaks the boundary between reality and the virtual world, using revolutionary visual experiences to bring brand stories and product value directly to life.

Specification

Screen size	55-inch
Display Technology	Supports Gamma lossless anti-glare display technology, resulting in more realistic image contrast and color reproduction. (Optional)
Anti-glare eye protection display	Optimized HAZE parameters through atomization technology, converting specular reflection into paper-like diffuse reflection to reduce harm to the user's eyes.
Physical resolution	1920 (H) × 1080 (V) 2K (Optional 3840x2160 4K)
Haze	Standard 5% (optional 25%)
Aspect ratio	9:16
Screen display size	1210.8(H) x 681.6(V)
Contrast ratio	1200:1
Response time	8ms
Pixel pitch (W×H)	0.315×0.315mm
Viewing angle	178°
3D Depth-of-Field View	60 degrees
Depth of Field Space	300mm
Brightness	350 cd/m²
Backlight type	LED
Color Gamut	72% NTSC / 100% sRGB
Operating frequency	50/60Hz
Input voltage	AC100-240V

Pixel arrangement	Pixels RGB Island
Maximum power consumption	≤50W
Standby power	≤0.5W
Speakers	8 ohm 5 watt *2
Ports	USB*2,RJ45networkport*1
Motherboard	Android 3566 2+32GB
Operating system	Android 11
Network support	Supports 10/100M/1000M adaptive Ethernet Built-in WiFi, BT 5.1, WiFi supports hotspot sharing (Optional to WiFi 5/WiFi 6) Expandable with 4G internet access (requires a separate USB 4G module)
Audio	Supports standard left and right channel line output
Amplifier	2-channel output (8 ohms, 5 watts, dual-channel audio amplifier output)
Audio	MP3,WMA,WAV, APE, FLAC, AAC, OGG,M4A,3GPP and other formats
Video	Support AVI（H.264、DIVX、DIVX、XVID）, rm，rmvb， MKV（H.264、DIVX、DIVX、XVID），WMV，MOV，MP4（.H.264、MPEG、DIVX、XVID），DAT（VCD），VOB（DVD），PMP,MPEG，.MPG,，FLV（H.263，H.264），ASF ，TS， TP，3GP，MPG and other formats
Image	Supports various image formats including JPG, BMP, and PNG.
Language	Supports multiple languages.

Size Chart



Product Color

Natural wood color	
Black walnut color	
Teak Wood Color	