



Product Overview

VT-HB-SP series is a portable foldable LED A-board poster screen available in pixel pitches from 1.25mm to 2.5mm, delivering outstanding image quality with high brightness, high colour reproduction and high contrast. As a patented product with exclusive technology, it was developed to solve the pain points of traditional LED displays: difficult installation, complex debugging and inconvenient transportation. The foldable design offers a compact size for easy storage and low transport cost, while the 43mm ultra-thin aviation-aluminium body weighs only 21kg. Content is published in one click from a mobile app, and the system supports both synchronous and asynchronous operation via APP, USB drive, Ethernet port or 4G remote control. With tile-grade GOB protection, a quick-lock structure for seamless multi-unit splicing and four universal wheels, this plug-and-play series is a true anytime-anywhere digital signage solution widely applicable for reception areas, restaurants, meeting rooms, schools, exhibition booths and retail stores.

Suitable for applications including:

- ✓ Reception Areas
- ✓ Restaurants & Food Courts
- ✓ Meeting Rooms
- ✓ Schools & Campuses
- ✓ Exhibition Booths
- ✓ Clothing & Retail Stores
- ✓ Hotels & Lobbies
- ✓ Shopping Malls



Key Features

1. Patent product with exclusive technology — A-board LED poster screen first launched in 2024
2. Foldable design: small size, easy storage, convenient and low-cost transportation
3. No installation required — plug and play, ready to use when powered on
4. Mobile APP one-click content publishing, foolproof software that anyone can operate
5. Quick-lock design supports fast, seamless splicing of multiple units into one large screen
6. Synchronous / asynchronous system for HD posters, promo videos, conference PPT and live-stream backgrounds
7. Optional mobile LiFePO4 battery: high safety, long endurance, over 3,000 charge cycles
8. Private mold design with aviation aluminium body: 43mm ultra-thin, only 21kg ultra-light
9. Aviation aluminium construction with excellent self heat dissipation
10. "Tile-grade" GOB process: scratch-resistant, anti-drop, splash-proof and moisture-proof
11. Multiple transmission methods: APP / USB drive / Ethernet port / 4G remote
12. High definition display with 8000:1 contrast, 160° wide viewing angle and ≥3840Hz refresh rate

Technical specifications

Model	VT-HB-SP2.5	VT-HB-SP1.86	VT-HB-SP1.53	VT-HB-SP1.25
Pixel Pitch	2.5mm	1.86mm	1.538mm	1.25mm
Pixel Construction	SMD 3-in-1 LED			
Module Resolution (W×H)	128×64 dots	172×86 dots	204×104 dots	256×128 dots
Module Size	(W)320 × (H)160mm			
Protective Technology	GOB (Glue On Board)			
Module Weight	0.55kg			
Module Composition (W×H)	(W)2 × (H)6 pcs			
Overall Resolution (W×H)	256×384 px	344×516 px	416×624 px	512×768 px
Display Size	640 × 960mm			
Cabinet Dimension (W×H)	640 × 1160mm			
Gross Weight	21kg			
Flatness Tolerance	≤0.5mm			
White Balance Brightness	650 cd/m²			
Grey Scale	14–16 bit adjustable			
Colour Temperature	3200–9000K adjustable			
Best Visual Distance	3–20m			
Viewing Angle (H / V)	160° / 160°			
Luminous Point Centre Distance Tolerance	≤3%			
Contrast Ratio	8000:1			
Luminance / Chromaticity Uniformity	≥95% / within ±0.003 Cx,Cy			
Power Supply Requirements	110–240V AC			
Peak Power Consumption	200W	200W	200W	650W
Average Power Consumption	60W	60W	60W	220W
Synchronous / Asynchronous	Both supported			
Communication Method	APP / USB drive / Ethernet port / 4G remote			
Interface	RS485×1, WIFI×1, USB×1, HDMI×2			
Optional Battery	Mobile LiFePO4 battery, ≥3000 charge cycles (optional)			
Drive Mode	Constant current drive			
Frame Frequency / Refresh Rate	60Hz / ≥3840Hz			