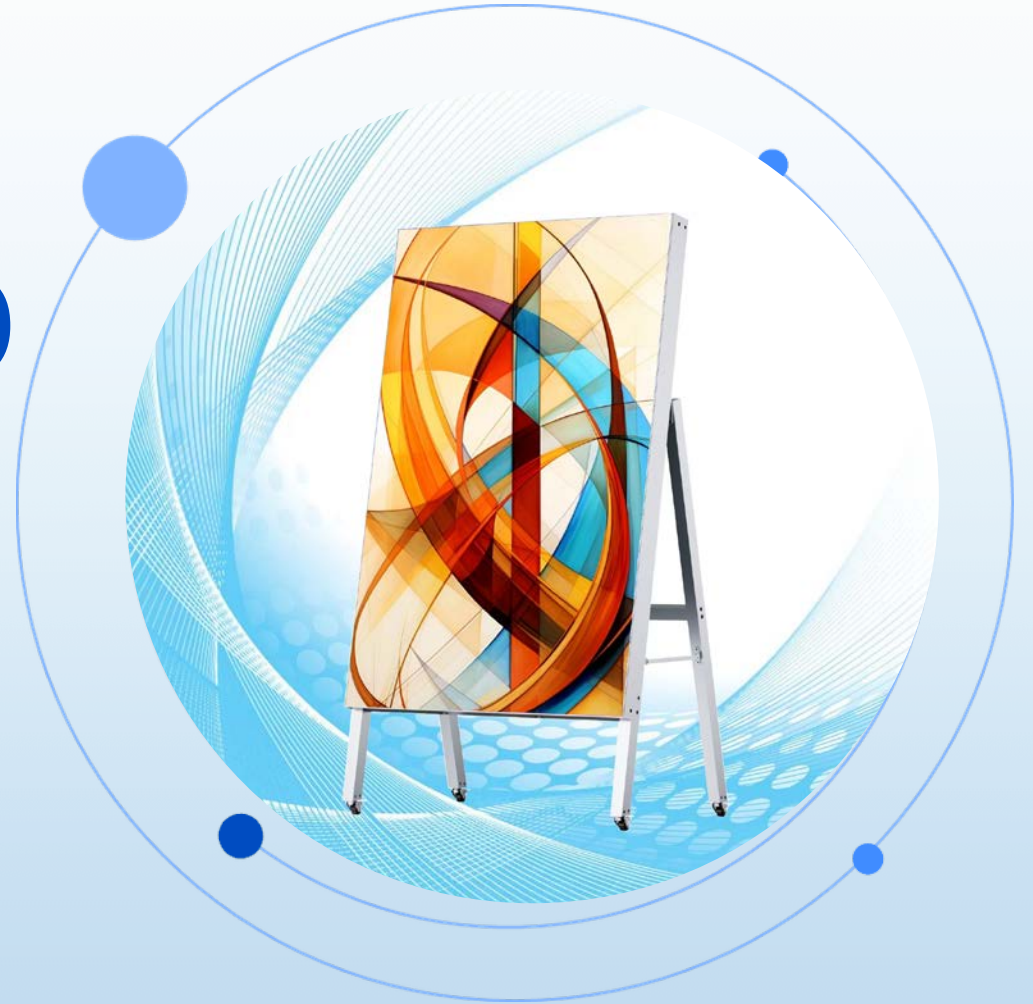




Indoor Portable LED Digital Signage

Adhaiwell

2026/01/01





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01



Product Overview



Introducing the Portable LED Digital Signage Display



Industry-First Innovation

Pioneering Portable LED Digital Signage launched in 2024, representing a breakthrough in Digital A-Board technology with patented solutions that redefine Mobile LED signage possibilities.

User-Centric Development

Built on 16+ years of industry expertise and extensive market research, directly addressing traditional LED pain points including complex installation, technical debugging challenges, and transportation difficulties.



Core Product Architecture and Design Philosophy



01

Unified Dimensions

Standard external size 640×1160mm with **640×960mm** display area across all models, ensuring consistent deployment flexibility.

02

Premium Materials

Aviation aluminum chassis delivers superior heat dissipation in an ultra-thin 43mm profile weighing only 20kg.

03

Zero-Barrier Deployment

True plug-and-play operation eliminates technician dependency, enabling instant activation upon power connection.

02

Key Selling Points



Revolutionary Portability and Foldable Innovation



01

Foldable Engineering

Revolutionary folding mechanism dramatically reduces volume for compact storage and economical international shipping.

02

Instant Deployment

Shipped as finished products requiring zero installation or technical debugging for immediate operation.

03

360-Degree Mobility

Four directional swivel wheels enable effortless repositioning to any indoor location without physical strain.

04

Deployment Freedom

Unprecedented flexibility transforms any indoor space into a dynamic messaging environment within seconds.



Advanced Power and Battery Technology



Lithium Iron Phosphate Excellence

High-safety LiFePO₄ battery system delivers extended endurance with rapid charging capability and exceptional cycle life exceeding 3000 charges for years of reliable cordless operation.

True Wireless Mobility

Advanced battery chemistry liberates displays from power outlet dependency, enabling instant repositioning for events, meetings, and promotional activities without infrastructure constraints.

Professional Display Quality and Durability

GOB Protective Technology

Floor-tile-grade Glue-on-Board process provides scratch resistance, anti-drop protection, and splash-proof surfaces.

Superior Optics

High brightness, accurate color reproduction, and exceptional contrast deliver vivid, eye-catching visual performance.

Wide Viewing Coverage

160-degree horizontal and vertical angles ensure content visibility from virtually any position within indoor environments.

Intelligent Content Management and Control



APP Wireless Publishing

Intuitive mobile application enables one-click content transmission designed for users without technical expertise.

Dual-Mode Operation

Synchronous mode for real-time meetings and streaming;
asynchronous mode for autonomous advertising loops.

Multiple Connectivity

Standard WiFi, Ethernet, USB, with optional HDMI and 4G modules for diverse deployment scenarios.

Foolproof Interface

Simplified software design ensures effortless content management by beginners and professionals alike.



Seamless Multi-Unit Expansion System



Quick-Lock Mechanics

Innovative rapid-lock design enables beginners to effortlessly connect multiple units, supporting fast seamless splicing into expansive video walls while maintaining perfect visual continuity without perceptible gaps.



Scalable Architecture

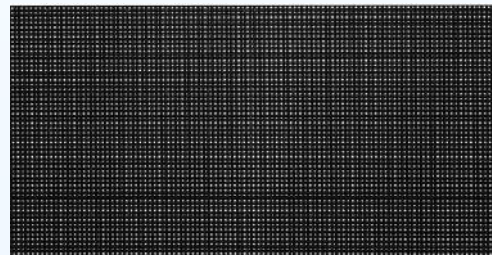
Individual units operate independently for targeted messaging, while multiple panels combine into unified large-format displays, transforming the product from single poster to versatile platform adaptable to any spatial requirement.



03



Technical Specifications



Display Module and Resolution Parameters



Five Pixel Pitch Options

P1.25 to P2.5 variants with SMD three-in-one LEDs and GOB protection, offering precision choices for diverse viewing distances.



Consistent Module Platform

All models use 320×160mm modules at 0.55kg, configured 2×6 for unified 640×960mm display dimensions.



Resolution Range

Full resolutions span 512×768 pixels at finest pitch to 256×384 pixels at broadest pitch for flexible applications.

Optical Performance and Power Specifications



Brightness and Color Control

650-nit white balance with 14- 16 bit gray scale and 3200K-9000K adjustable color temperature.

Precision Uniformity

95%+ brightness uniformity with chromaticity within ± 0.003 Cx,Cy and under 3% deviation.

Contrast Excellence

8000:1 contrast ratio with 160° viewing angles ensures vivid images from any perspective.

Energy Efficiency

Universal 110-240V input, 200W peak power, remarkably low 60W average consumption for sustainable operation.



Physical Build and Interface Configuration



Precision Engineering

Uniform 21kg weight and 0.5mm flatness tolerance across all variants, constructed from aviation aluminum for optimal durability and thermal management in professional commercial environments.

Comprehensive Connectivity

Dual HDMI, RS485, WiFi, USB standard interfaces with optional 4G, featuring 3840Hz refresh rate and 60Hz frame frequency for flicker-free video reproduction via constant current drive architecture.



04

Application Scenarios





Retail and Hospitality Deployment Cases

Restaurant Applications

Dynamic digital menu boards and promotional showcases capture diner attention while driving purchasing decisions through vivid food imagery.

Retail Environments

Clothing stores deploy high-definition product imagery and fashion videos creating immersive brand experiences beyond static signage capabilities.

Hotel Reception

Elegant welcome displays and real-time event directories elevate guest perception while enabling rapid daily repositioning.



Corporate and Educational Environment Solutions



Corporate Reception

Projects brand identity and welcomes visitors through polished digital presentations requiring no technical staff.

Meeting Rooms

Synchronous display enables real-time presentations and video conferencing backgrounds for enhanced collaboration.

Educational Institutions

Campus information hubs and event promotion displays relocate between buildings as institutional needs evolve.

Professional Appearance

Sleek aviation aluminum design complements professional environments while ensuring instant deployment anywhere.



Exhibition and Special Event Applications

Trade Show Excellence

Multiple units combine into impressive video walls that attract visitor attention, while foldable lightweight design enables easy venue transport and rapid setup without professional installation teams or excessive logistics costs.

Live Event Backdrops

Adhaiwell's Portable LED Digital Signage configured as a restaurant menu board, with three flexible content management methods: Plug & Play USB for instant updates, Mobile app for on-the-go edits, and Remote CMS for multi-location menu sync. Perfect for cafes, quick-service restaurants, and food courts to display menus, prices, and daily specials.



Plug & Play USB



Mobile App



Remote CMS





05

Product Value Proposition



Comprehensive Advantages and Investment Value



01

Differentiated Technology

Patented exclusive technology backed by two decades of industry expertise, delivering true plug-and-play operation that eliminates technical barriers for all users regardless of skill level.

Operational Economics

Revolutionary foldable and mobile design slashes shipping and handling costs while versatile dual-mode operation supports both autonomous advertising and real-time synchronous display needs.

02

03

Built-to-Last Investment

GOB-protected modules, aviation aluminum construction, and advanced battery technology combine for exceptional durability, defining the definitive professional signage solution without traditional installation or positioning constraints.





THANKS



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