Single-unit Foldable LED Electronic Poster Screen

Product Specifications Model: TS1P186S

Product Overview

This single-unit foldable LED electronic poster screen has a 1.86 mm pixel pitch. Its all-in-one aircraft aluminium body is only 39 mm thin and weighs just 43 kg, with four built-in swivel wheels - no installation is needed, just plug it in. KEY HIGHLIGHT: several units can be seamlessly spliced together - using the quick-lock structure, multiple poster screens align and join quickly into one much larger continuous display with a narrow seam, flexible as a single unit and impressive as a video wall. It folds for storage into only 646 x 1090 x 90 mm, making it compact and easy to store, carry and ship. Plug-in and energy-storage versions are available; the energy-storage version uses a LiFePO4 battery that is safe, long-lasting and fast-charging, with at least 3000 charge cycles, so it also works outdoors where there is no mains power. The SMD lamp beads use a tile-grade GOB process that resists scratches, dropped LEDs, splashes and moisture. Content can be published from a mobile APP in one click (USB drive, Ethernet, WiFi and 4G remote optional), with synchronous and asynchronous playback. Typical applications include company receptions, restaurants, schools, stages, meeting rooms, clothing stores and exhibition booths.

1. Product Rendering



Product rendering (for reference only; the actual product may vary)

2. Key Specifications

Pixel pitch **1.86 mm**	Unit weight **43 kg**
Display size **640 x 1920 mm**	Integrated dimensions **646 x 2050 x 38 mm**

3. Display Module

Pixel construction	SMD 3-in-1 LED
Module resolution	172 × 86 dots
Module size	320 x 160 mm
Protective process	GOB tile-grade protection (scratch, drop, splash and moisture resistant)
Module weight	0.55 kg
Module composition	2 (W) x 12 (H) = 24 modules
Overall resolution	344 × 1032 px

4. Unit Structure

Display size	640 x 1920 mm
Integrated dimensions	646 x 2050 x 38 mm (W x H x D)
Folded dimensions	646 x 1090 x 90 mm (W x H x D)
Unit weight	43 kg
Flatness	<= 0.5 mm
Chassis material	Aircraft aluminium, 39 mm ultra-slim body
Mobility	4 swivel wheels built in
Splicing	Multiple units can be seamlessly spliced to form a larger display (quick-lock structure)
Version	Plug-in / energy-storage (LiFePO4 battery, >= 3000 charge cycles)
Installation	No installation needed; ready to use when powered on

5. Optical Parameters

White balance brightness	650 cd/m2
Gray scale	14-16 bit adjustable
Colour temperature	3200 - 9000 K adjustable
Contrast ratio	8000:1
Best viewing distance	3 - 20 m
Viewing angle (H / V)	160 / 160 deg
Centre-to-centre tolerance	<= 3%
Luminance uniformity	>= 95%
Chromaticity uniformity	within +/-0.003 (Cx, Cy)

6. Power Supply

Power requirement	AC 110 - 240 V
Peak power consumption	450 W

Average power consumption	150 W
Drive mode	Constant current drive
Battery (energy-storage version)	LiFePO4 battery: high safety, long endurance, fast charging, >= 3000 cycles

7. Communication and Audio

Synchronous / asynchronous	Supported (asynchronous offline loop playback)
Communication method	APP / USB drive / Ethernet / 4G remote
Interfaces	RS485 x 1, WIFI x 1, USB x 1, HDMI x 2
Built-in speaker	50 x 12 mm x 2 PCS
Audio interface	3.5 mm audio jack / supports external amplifier

8. Performance and Environment

Frame frequency	60 Hz
Refresh rate	>= 3840 Hz
Typical lifespan	50,000 hours
Operating temperature	-40 C to +50 C
Operating humidity	10% - 80% (non-condensing)
Storage temperature	-50 C to +50 C
Storage humidity	10% - 85% RH (non-condensing)

9. Application Scenarios



Application scenario (for reference only; the actual product may vary)