



54DS012FE LED DIGITAL SIGNAGE

Hisense's 54DS012FE with its own ASIC chipset built-in delivers 25,000:1 contrast ratio with enhanced brightness and wide viewing angles, redefining visual standards for professional displays. Engineered for unwavering reliability, it excels in mission-critical environments through seamless splicing and extraordinary imaging. This next-generation solution outperforms traditional video walls, setting new benchmarks for command centers, XR virtual production, broadcast facilities, conference venues, and exhibition spaces.

Highlights



Quick Installation

The display enables seamless full-screen viewing, it enables a controller-free installations up to 216 inches, which is a standard 4K display. This capability allows for 3 times faster installation process compared to traditional LED displays, significantly streamlining the setup of cabinets, signal cables, and power cables.



Energy Efficient

Efficient power supply and 3-in-1 ASIC architecture ensure low energy consumption, while optimized common cathode drivers and advanced energy-saving algorithms further minimize power consumption. The maximum screen temperature is maintained below 40°C, significantly enhancing user comfort and product durability.



Stable & Reliable

Utilizing an innovative ASIC system architecture, the display eliminates the need for LED transmitter and receiver cards. A 3-in-1 design integrating power supply, hub board, and control card enhances the display's stability and reliability.



Easier Integration and Distribution

Individual unit packaging in cartons ensures safe handling and streamlined logistics, optimizes inventory rotation and storage efficiency while maintaining the same logistical simplicity as LCD video walls and digital signage systems during transportation and warehousing operations.



Eye-catching Display

With a dazzling 25,000:1 contrast ratio, the display renders inky depths of black and vibrant colors, creating an immersive visual feast. Its high brightness consistency, peaking at a brilliant 1,000 nits, ensures crystal-clear clarity and stunning vibrancy, leaving viewers captivated by its striking visual impact.



Calibrated Modules

Individual calibration of each module ensures high color consistency between units, enabling seamless splicing without the need for full-screen adjustments. This approach significantly reduces post-calibration workloads and adjustment requirements while lowering maintenance costs.



EMC Class B

Certified to EMC Class B standards, this display offers reduced electromagnetic interference, enhanced stability, superior compatibility with other devices, and safer operation for a wide range of commercial and residential applications.



Built-in VisionInfo

The integrated Hisense VisionInfo, offers comprehensive cloud-based device control and management capabilities. This innovative system enables seamless end-to-end monitoring and operation of connected devices.

Specifications

54DS Series

| | |
|--------------------------------------------------|----------------------------------------------------------------------------------------|
| Model Name | 54DS012FE |
| Pixel Pitch | 1.25mm |
| Pixel Configuration | Flip-chip COB (1 red, 1 green, 1 blue) |
| Screen Resolution (W x H) | 960 x 540 |
| Module Dimensions (W x H) | 150mm x 337.5mm |
| No. of Modules per Screen (W x H) | 8 x 2 (Total 16pcs LED Modules) |
| Screen Dimensions (W x H x D) | 1200 x 675 x 32mm (Depth T.B.D) |
| Weight | T.B.D |
| Cabinet Material | Die-cast Aluminium |
| Pitch for Wall-Hanging | 400 x 400mm |
| Brightness (typ. / max.) | 600 nits / 1000 nits |
| Contrast Ratio | 25,000: 1 |
| Visual Viewing Angle (H x V) | 165° x 150° |
| Grey Level | 14bit |
| Colour Temperature - Default (Adjustable) | 6500K |
| Colour Gamut | 100% DCI-P3 |
| Brightness Uniformity | 97% |
| Colour Uniformity | ±0.003 Cx, Cy |
| Aspect Ratio | 16:9 |
| Max Power Consumption per Cabinet | <350W@1000nits // <250W@600nits |
| Standby Consumption per Cabinet | <0.5W |
| Power Supply Voltage | 100-240V, 50/60Hz |
| Refresh Rate | 3840Hz |
| Connections | Input: HDMI2.0 x1, LAN x1, RS232 x1, USB2.0 x1 Output: HDMI2.0 x1, LAN x1, RS232 x1 |
| Service Access | Front |
| Packing Method | Cardboard Box |
| Packaging Dimensions (W x H x D) | T.B.D |
| System Language | Arabic/Chinese/English(Default)/French/German/Italian/Polish/Russian/Spanish |
| Operating Temp / Humidity | 0~40°C / 10~85% RH (no frost) |
| Storage Temp / Humidity | -20~60°C/ 10~90% RH (no frost) |
| Certification | CB / CE |

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