



## 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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