

# SG Audio Visual Product Specification

SGHEW220i	100" Commercial Grade Intelligent Electric screen for Home Cinema
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General	
Recommended Use	Perfect for larger sized room (say 4m-6m wide by 5m-8m long) in conjunction with any 1080p or 4k wide format projector. The 16:9 format is designed to match with the native aspect ratio of most home cinema content. Use this screen where the majority of use is for video.
Compatibility	Suitable for 4K and 1080p projection. Not suitable for ultrashort projectors.

Screen Surface				
Material	Matte White Premium Fiberglass with lightproof black backing. 1.1 gain with 165 degree viewing angle.			
Overall Surface	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 2px;">W: 220cms</td> <td style="width: 33%; padding: 2px;">H: 124cms or 174cms with max black leader</td> <td style="width: 33%; padding: 2px;">Diag: 100 inches</td> </tr> </table>	W: 220cms	H: 124cms or 174cms with max black leader	Diag: 100 inches
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Viewable Surface	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 2px;">W: 212cms</td> <td style="width: 33%; padding: 2px;">H: 116cms</td> <td style="width: 33%; padding: 2px;">Diag: 96 inches</td> </tr> </table>	W: 212cms	H: 116cms	Diag: 96 inches
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Black Leader	50 cms top adjustable via limit control			
Border	4cms left and 4cms right			

Housing				
Material	Aluminium alloy			
Colour	White			
Housing Profile	Rectangular			
Housing Dimensions	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 2px;">W: 9.8cms</td> <td style="width: 33%; padding: 2px;">H: 10.8cms</td> <td style="width: 33%; padding: 2px;">L: 228 cms</td> </tr> </table>	W: 9.8cms	H: 10.8cms	L: 228 cms
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Weight	<b>14kg</b> Gross / 12kgs Net			

Electrical and Control	
Wireless Remote	RF remote included.
Wireless Wall Switch	RF wall switch included
Wifi	Standard. Download app with voice control options.
Low voltage Control	Standard. Control cable is optional
Motor	Premium tube motor
Motor location	Left Hand side
Power	220V~240V, 50Hz, Power cord 2m (Removable)

Warranty	
Standard Warranty	2 years
Extended warranty	1 additional year available

Specifications are subject to change without notice  
Feb 21

Ver 1.0



SGHEW220i 100" 16:9 format HE Series  
Commercial Grade Electric Projector Screen (2.2m  
\* 1.24m)

### HE Series Premium Intelligent Electric Screens

SG Audio Visual HE Series intelligent projection screens are commercial grade Electric screens for wall or ceiling mounting. They feature a premium fiberglass matte white surface with lightproof black backing. The fiberglass surface is more rigid and minimises stretching. The screens also feature an aluminium alloy housing, long 50cm black leader (adjustable), intelligent control system with wireless and wi-fi control and premium tube motor. The system is supplied with remote control, wireless wall-switch and a power cable and supports wi-fi control via a mobile phone app.

The HE series are not recommended for ultra-short projectors.

### Projection Surface

The matte white fiberglass surface provides a good 1.1 gain and wide 165 degree viewing angle. The black backing ensures that it is lightproof.

This surface is designed for UHD/4K projection but will also perform well with WUXGA/1080p projection.

The 50cm long black leader on these screens may be adjusted to ensure that the viewable white surface is at a comfortable viewing height.

### Screen Dimensions

This 100" HE Series 16:9 screen has a 2.2m wide white surface with lightproof black backing with an overall drop of up to 1.74m including the 50cm black leader. After allowing for the 4cm black border the image size supported is approximately 2.12m \* 1.16m. The slimline housing is only 9.8cms and 10.8cms high and the screen has an overall length of 2.28m.

We would normally recommend this screen for a home cinema room at least 2.5m wide and 4m deep.

### Intelligent Control System

## MOBILE APP CONTROL SCREEN

Download the "Smart Life" APP from your mobile phone



### Wireless Wall Switch and Remote Control

Each HE Series screen ships with both a wireless remote control and a wireless wall switch. The wireless wall switch provides easy installation of a switch to control the projector screen without the need for additional cabling.

### Wi-Fi control

The intelligent control system also supports wireless IP control via the Smart Life app and a phone or tablet with additional voice control support via most smart speakers including Google Nest and Alexa.

### Other Control Options

Standard control is via RF remote control and RF wall switch or Wi-Fi.

Optional control components include IR remote control, 5V low voltage wired switches and 12V cables and connectors for serial (RS485) connection to control systems, PCs and projectors (via trigger port).

## Housing and Mounting System

The HE Series are designed to mount on wall or on ceiling using appropriate fasteners or suspended using appropriate mounting hardware.

The slimline white aluminium alloy housing is rectangular and easily installed.



**Warranty**

This product comes with a two-year manufacturer's warranty.

**Associated Products**

SGSZTRIGGER	Trigger Cable suit IA/IT/HE series screen
SGSZSWITCH	Wired Switch for IA/IT/HE series screen
SGSZIRREMOTE	IR Remote control for IA/IT/HE Series
SGHEMWARR1YR	Additional 1 year warranty for HE Series 3m screen (total 3 years)