SG Audio Visual Product Specification

SGIAH300	140" Premium Ceiling-Recessed Electric screen for Business and Education

General

Recommended Use	Perfect for larger sized rooms (approx. 4m wide and 5m long) where the screen is to be concealed within the ceiling space and there is some lighting control.
Compatibility	Suitable for 4K and WUXGA 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	W: 300cms	H: 187.5cms / 236.5cm with max. black leader	Diag: 139.3 in
Viewable Surface	W: 292cms	H: 182.5cms	Diag: 136 in
Black Leader	50 cms top adjustable via limit control		
Border	4cms left and 4cms right		

Housing

Material	Aluminium alloy (larger housing)		
Colour	White		
Housing Profile	Rectangular with bottom flange		
Housing Dimensions	W: 11cms	H: 12.5cms	L: 317.8 cms
- Including flange	W: 16cms	H: 12.5cms	L: 317.8 cms
Cut-out Size	13.5 cms * 336.8cms (if access panels fitted)		
Weight	24.5kg Gross / 22.3kg Net		
Installation Kit	Mounting brackets and 1m threaded rods included. Rods may be cut to size. Access panels may be fitted to each end of the housing and are included.		

Electrical and Control

Wireless Remote	RF remote included.
Wireless Wall Switch	RF wall switch included
Wifi control	Standard. Download app.
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

SGIAH300   140" 16:10 format IA Series Commercial Grade In-Ceiling Electric Projector Screen (3.0m * 1.87m)

IA Premium Ceiling Recessed Screens

SG Audio Visual IA Series intelligent projection screens are commercial grade in-ceiling screens. They feature a stretch-resistant fiberglass surface, aluminium alloy housing, intelligent control system and premium tube motor. There is a lip or flange on each side of the screen which butts up to the gyprock or to tiles in a false ceiling concealing all except the underside of the screen housing. The system is supplied with remote control, wireless wall switch, power cable, ceiling access panels and an in-ceiling mounting kit. The IA series supports wi-fi control via a mobile phone app.

The IA 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 140" IA Series screen has a 3.0m wide fiberglass surface with an overall drop of up to 2.36m including the 50cm black leader. After allowing for the 4cm black border the image size supported is approximately 2.92m * 1.82m. The slimline housing is only 16cms wide including the flange and 12.5cms high and the screen has an overall length of 318cms excluding the ceiling access panels.

We would normally recommend this screen for a home cinema room at least 3.5m wide and 4.5m deep. This screen is not suitable for ultra-short projectors.

Intelligent Control System

Wireless Wall Switch and Remote Control
Each IA 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).
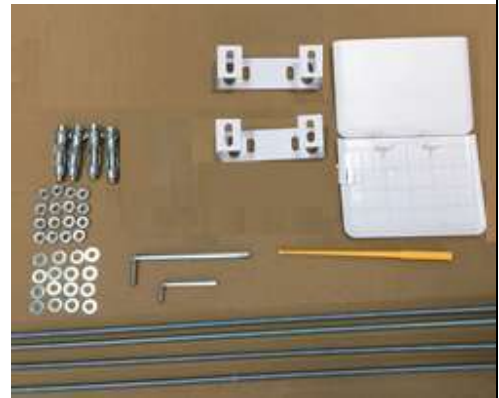
Housing	
	The IA Series housing is a slimline Aluminium alloy housing with a flange on the sides and removable ceiling access panels at each end providing access to the mount and control system. When correctly installed the screen is discretely hidden in the ceiling cavity with only the underside visible.

Mounting Kit and Ceiling Access Panels Included	
The IA Series screens include a mounting kit with brackets and threaded rods allowing the screen to be mounted in both ceiling cavities and in drop ceilings. The two access panels included which can be connected to each end of the screen housing. This allows for easy access to the screen for relocation or maintenance.	

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
SGIASWARR1YR	Additional 1 year warranty for IA series screen under 3m (total 3 years)