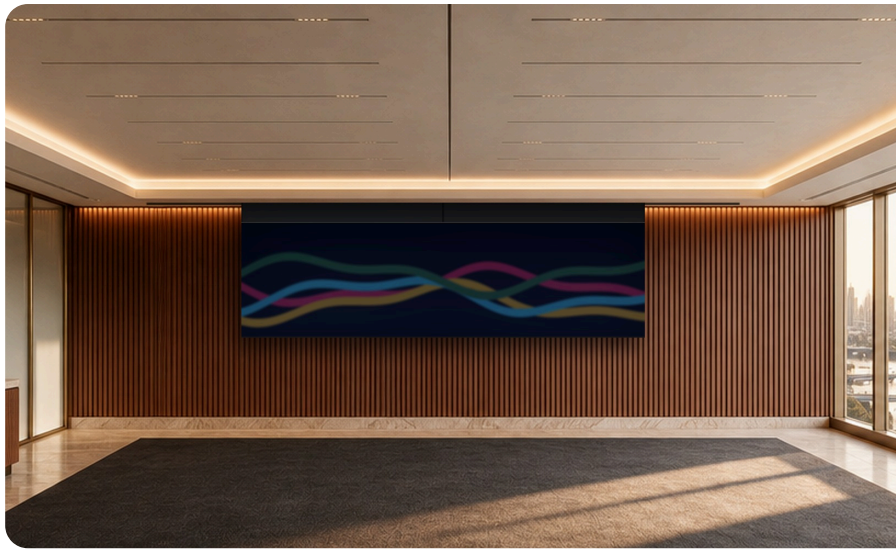


Sliding LED Wall

HC Series COB

Motorised fine pitch LED screen with a seamless join, for rooms that open and divide



Motorised ceiling track



Seamless join



32:9 joined, 16:9 apart



Full front maintenance



Dual backup power and data



COB fine pitch

Applications

Boardrooms and multi-purpose floors

Town halls and conferences

Training and education

Corporate reception

Hospitality and events

Operable wall fit-outs

One floor, two rooms

Joined, the two screens meet with no visible seam and make a single 32:9 display across the whole floor. When the room is divided, each screen travels along its motorised track to the centre of its own space and the operable wall closes between them. Each side keeps a full 16:9 screen. The move takes a few seconds from the room control panel.

COB, hung from the ceiling

Each screen is a fixed array of HC Series COB cabinets on a slimline bracket frame, hung from a carriage in a concealed ceiling track. The fully inverted COB face is sealed, non-reflective and rated for contact, which matters on a screen people walk past and touch. The screen sits off the wall under a black header, so it reads as a suspended element rather than another screen on the wall.

32:9
joined

16:9
apart

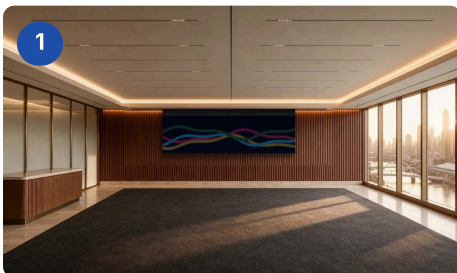
2 x 16:9
divided

250
mm
stand-off

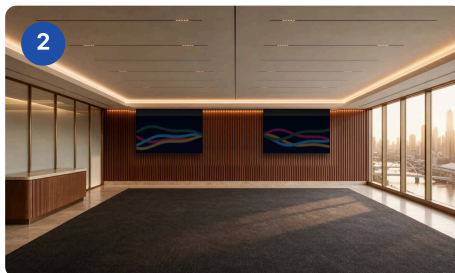
37.7
mm
cabinet

5.2
kg
cabinet

How it works



Joined. Two screens meet at the centre of the floor with no visible seam, giving one 32:9 display for a town hall or a function.



Apart. From the control panel the screens glide outward along the ceiling track and settle at the centre of each room.



Divided. The operable wall closes between them. Each room has its own 16:9 screen, its own content and its own meeting.

Specification

Reference configuration

System	Dual sliding wall, 2 × 25 HC-121 cabinets (5 wide x 5 high each)
Joined screen	6,000 × 1,687.5 mm, 32:9, 4,800 × 1,350 px, 10.125 m ²
Each screen apart	3,000 × 1,687.5 mm, 16:9, 2,400 × 1,350 px, 5.06 m ²
Travel	1,375 mm each screen on the reference project; set per project
Processing	1 x Novastar H5, two 16-port output cards; 10G SFP fibre available
Power per screen	3 × 240 V 16 A circuits, D-curve breakers, 10 A outlets at the top edge
Data per screen	5 x CAT6, one run per five cabinets at 1.25 mm pitch
Cabinet weight	130 kg per screen, cabinets only. Frame, carriage and track loads confirmed per project
Supply	Screens, bracket frames, track system, cable carrier, processing and control, installation, commissioning and operator training

Other HC Series pitches share the same 600 × 337.5 mm cabinet. Screen sizes, travel and loads are confirmed from a site measure before order.

What the building provides

- Structure for the track, certified for the static and moving load, continuous and straight over the full track length
- Minimum 100 mm clear above the screen; operable wall track in the 200 to 1,000 mm zone above it, installed first
- Continuous belt gap along the track, left open in the ceiling
- 600 × 600 mm access panels at both ends of the system
- Power and CAT6 to the project drawing, tested and labelled before install day
- Clear path for the cable carrier that travels with the screen
- Dust-free room, lined and sanded, with no other trades during the LED install

Safety provisions

- End stops at both ends of the track, standard
- Optional measures can be built into the design to protect people and the screens: soft start and stop, end stop buffers, an emergency stop, anti-drop restraint, and an interlock with the operable wall so the screens cannot travel while the wall is moving
- Where screens meet or pass furniture, the design can include pinch protection at the join and sensors or guarding along the travel path, so hands are not caught as the screens come together and nothing is struck as they open

Cabinet	HC-061	HC-071	HC-091	HC-121	HC-151	HC-181
Pixel pitch (mm)	0.62	0.78	0.93	1.25	1.56	1.87
Cabinet size (W x H x D mm)	600 × 337.5 × 37.7 (HC-061: 37.4)					
Cabinet resolution (px)	960 × 540	768 × 432	640 × 360	480 × 270	384 × 216	320 × 180
Joined 32:9, 10 × 5 cabinets (px)	9,600 × 2,700	7,680 × 2,160	6,400 × 1,800	4,800 × 1,350	3,840 × 1,080	3,200 × 900
Apart 16:9, 5 × 5 cabinets (px)	4,800 × 2,700	3,840 × 2,160	3,200 × 1,800	2,400 × 1,350	1,920 × 1,080	1,600 × 900
Viewing angle	165° / 165°	165° / 165°	165° / 165°	165° / 165°	165° / 165°	165° / 165°
Greyscale (bit)	16	16	16 / 13	16 / 13	16 / 13	13
Brightness (nits)	600					
Contrast ratio	5,000 : 1					
Refresh rate (Hz)	3,840	3,840	7,680 / 3,840	7,680 / 3,840	7,680 / 3,840	3,840
LED and construction	Fully inverted mini COB, IP65 face, non-reflective surface, common cathode or common anode					
Maintenance	Front, modules and electronics from the face; no rear access needed behind a sliding screen					
Max / avg power (W/m ²)	390 / 130	425 / 142	325 / 109	335 / 113	285 / 95	280 / 95

Cabinet figures from the Dicolor HC Series COB data sheet, April 2025. Power figures are for the standard cabinet variant; confirm against the quoted model.