

Indoor Fixed LED Screen Datasheet

Ultra-thin 58mm aluminium cabinets with front maintenance, designed for permanent indoor installations in lobbies, control rooms, studios and retail spaces, with pixel pitches from 1.25mm to 5mm and 16:9 aspect ratio support for full HD, 4K and 8K content without bezel gaps.

Why These Cabinets

- Front maintenance design allows module replacement from the front, ideal for walls mounted against a wall with no rear access
- 58mm ultra-thin aluminium cabinet reduces depth and weight, with only 5.5kg per cabinet at 1.25mm pitch
- Cableless structural hard link design enables fast, high-precision alignment without shims or loose cables
- 16:9 aspect ratio panels allow direct replacement of traditional 55-inch LCD displays with no bezel gaps
- Minimum pixel pitch of 0.9mm supports 2K, 4K and 8K content on large fixed installations
- High grey scale at low brightness ensures image clarity in dim environments like control rooms and studios
- Available in pixel pitches of 1.25mm, 3mm, 4mm, 5mm and 6mm to match application brightness and viewing distance

Who Buys This Category

- Corporate and government conference rooms needing a permanent video wall that matches 16:9 source content
- Shopping malls and retail chains installing large video walls in lobbies or storefronts with no rear access
- Broadcast and TV studios building fixed control rooms or set walls with minimal bezel and high image fidelity
- Facility operators installing permanent screens in high-traffic areas where space and weight are constrained
- AV integrators who must deliver a seamless, bezel-free display without requiring extra space behind the wall

Products

Indoor Fixed With High Definition

Indoor Fixed LED Screen

An indoor fixed LED screen with front maintenance and high definition, built on a 640x480mm die-cast aluminium cabinet. Pixel pitch starts at 1.25mm for sharp detail in close viewing environments. The cabinet is 58mm thick and weighs only 6kg per unit, making it lightweight and space-efficient. Structural hard link and cableless design allow fast on-site alignment without shimming or tools.

Installation	Indoor fixed
Service Access	Front
Cabinet Size	640x480mm
Pixel Pitch	Minimum 1.25mm
Cabinet Thickness	58mm
Weight Per Cabinet	6kg
Cabinet Material	Die-cast aluminium
Cable System	Cableless structural hard link

Module Type	High quality black LED lamp module
Design Life	Up to ten years

Key Benefits

- Front service access eliminates the need for a rear maintenance corridor, saving floor space in tight installations
- 58mm ultra-thin cabinet reduces wall depth and improves room aesthetics in conference and retail spaces
- 6kg per cabinet weight lowers structural load and simplifies handling during installation
- 1.25mm minimum pixel pitch delivers high-resolution content suitable for close viewing distances
- Cableless structural hard link design ensures cabinets align quickly and stay level without shimming
- Die-cast aluminium cabinet provides rigidity and flatness for seamless wall appearance

Indoor Fixed With 16:9 Ratio

Indoor Fixed LED Screen

An indoor fixed LED screen with a 16:9 aspect ratio, designed for seamless integration into conference rooms, control centres, and retail environments where a bezel-free 2K, 4K, or 8K display is required. The screen uses a front maintenance design to reduce space and labour costs, with a slim 58mm cabinet and a weight of 5.5kg per cabinet. Pixel pitch starts at 0.9mm for high-definition indoor viewing, and the cabinet features a cableless, structurally linked design for fast installation.

Aspect Ratio	16:9
Installation	Indoor fixed
Service Access	Front
Cabinet Thickness	58mm
Cabinet Weight	5.5kg per cabinet
Minimum Pixel Pitch	0.9mm
Refresh Rate	High
Greyscale	High at low brightness
Cabinet Design	Cableless, structurally linked
Image Resolution	Full HD, 4K, 8K with 16:9 ratio

Key Benefits

- 16:9 aspect ratio matches standard video content without black bars or cropping
- Front maintenance access eliminates the need for a rear service corridor
- 58mm ultra-thin cabinet reduces wall depth and saves space in tight installations
- 5.5kg per cabinet weight reduces structural load and simplifies handling
- Cableless, structurally linked cabinet design enables fast on-site alignment
- Minimum pixel pitch of 0.9mm delivers sharp image quality for close viewing
- High refresh rate and deep greyscale maintain clarity even at low brightness

Block Indoor Series

Indoor Fixed LED Screen

An indoor fixed LED screen with rear service access, built on a solid metal cabinet with a black LED lamp module profile. Designed for permanent installations in conference rooms, control centres, retail stores and exhibition halls where a stable, high-resolution image is required. Pixel pitch options are 3mm, 4mm, 5mm and 6mm, with a focus on fine heat extraction and structural stability. Cabinet size is selected to fit the wall opening without gaps.

Installation	Indoor fixed
Service Access	Rear
Pixel Pitch	3mm, 4mm, 5mm, 6mm
Cabinet Material	Solid metal profile with black LED lamp module
Heat Management	Fine heat extraction performance
Cabinet Size	Selected to fit wall opening
Viewing Distance	Suitable for close to medium distances
Splicing	Edge-to-edge with no visible gap
Module Profile	Black LED lamp module profile
Design Stability	Solid and stable cabinet structure

Key Benefits

- Rear service access allows maintenance without removing the screen from the wall
- Solid metal cabinet with black LED lamp module profile ensures structural stability and minimal light reflection
- Fine heat extraction performance prevents thermal buildup during long operating hours
- Pixel pitch options from 3mm to 6mm suit close to medium viewing distances
- Black module profile reduces visual glare and improves contrast in bright indoor environments
- Cabinet design allows for tight edge-to-edge splicing with no visible gaps