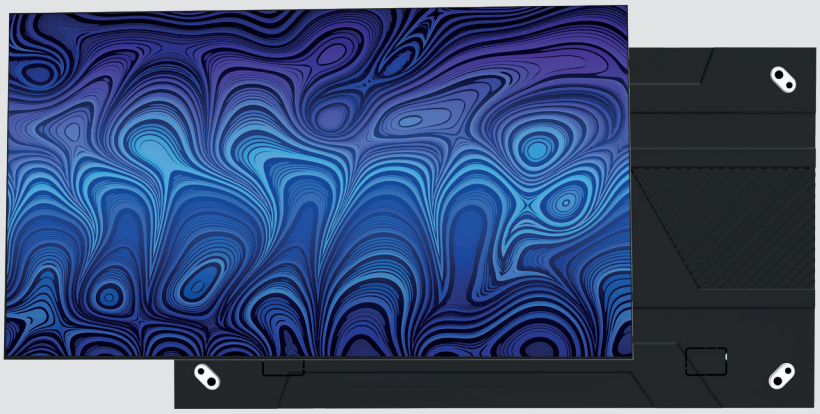


XIHFE SERIES

INDOOR LED DISPLAY

The Hisense XIHFE Series LED display delivers exceptional visual performance with its 10,000:1 contrast ratio and 800-nit adjustable brightness. Designed with a refresh rate of 3,840Hz and 14-bit color depth, the display combines precise image reproduction with superior energy saving capability.

Highlights

Eye-catching Display

The COB product is encapsulated with black epoxy resin on the surface, ensuring color uniformity and brightness consistency. Supporting HDR formats, it achieves richer color performance and enhanced detail gradation, creating a more immersive viewing experience.

Extremely Reliable

The flip-chip COB LED eliminates bonding wires by directly soldering electrodes onto the PCB, eliminating concerns about wire breakage. Its integrated packaging structure significantly enhances environmental resistance. The display adopts large LED modules in a 2x2[1] arrangement, ensuring easy and quick installation.

Energy efficient

The XIHFE series achieves a breakthrough power consumption, providing 21% higher efficiency than the previous generation COB display, resulting in optimised operating costs and reduced energy consumption.

Lightweight structure

The cabinet weighs as light as 3.5kg, 36% lighter than the previous generation, with 11% reduced thickness. The lightweight construction simplifies installation procedures, enabling faster deployment and more convenient disassembly/replacement.

1. Only applicable for P1.5 & P1.8

Specifications

XIHFE Series

Model	XIH009FE	XIH012FE	XIH015FE	XIH018FE
Pixel Pitch	0.9375 mm	1.25 mm	1.56 mm	1.87 mm
Pixel Configuration	Flip-chip COB (1 red, 1 green, 1 blue)			
Module Resolution (W x H)	160 x 180	120 x 135	192 x 108	160 x 90
Module Dimension (W x H)	150 x 168.75 mm 5.91 x 6.64 inch		300 x 168.75 mm 11.81 x 6.64 inch	
No. of Modules per Cabinet (W x H)	4 x 2		2 x 2	
Cabinet Resolution (W x H)	640 x 360	480 x 270	384 x 216	320 x 180
Cabinet Dimension (W x H x D)	600 x 337.5 x 34.6 mm / 23.62 x 13.29 x 1.36 inch			
Cabinet Weight	3.5 kg / 7.71 lbs			
Cabinet materials	Die-cast Aluminum			
Brightness	800 nits	800 nits	600 nits	600 nits
Contrast Ratio	10,000:1			
Visual Viewing Angle (H x V)	160° x 160°			
Bit Depth	14 bit			
Color Temperature	9,300K + 500K 3,000 ~ 18,000 K (Adjustable)			
Color Gamut	>90% BT.2020			
Brightness Uniformity	98%			
Color Uniformity	± 0.003 Cx,Cy			
Frame Rate	60 Hz	60 Hz / 120 Hz[1]	60 Hz / 120 Hz[1]	60 Hz / 120 Hz[1]
Max Power Consumption	398 W/m² @800 nits 330 W/m² @600 nits	346 W/m² @800 nits 283 W/m² @600 nits	205 W/m² @600 nits	195 W/m² @600 nits
Avg Power Consumption	140 W/m² @800 nits 116 W/m² @600 nits	122 W/m² @800 nits 100 W/m² @600 nits	72 W/m² @600 nits	69 W/m² @600 nits
Max Heat Generation	1,358 BTU/m² @800 nits 1,126 BTU/m² @600 nits	1,181 BTU/m² @800 nits 966 BTU/m² @600 nits	699 BTU/m² @600 nits	665 BTU/m² @600 nits
Avg Heat Generation	478 BTU/m² @800 nits 396 BTU/m² @600 nits	416 BTU/m² @800 nits 341 BTU/m² @600 nits	246 BTU/m² @600 nits	235 BTU/m² @600 nits
Power Supply	100~240 V AC			
Refresh Rate	3,840 Hz			
Operating Temp / Humidity	-10~40°C / 10~90% RH			
Storage Temp / Humdity	-20~60°C / 10~90% RH			
IP Rating	Front IP54 / Rear IP30			
Lifetime	100,000 Hrs			
Certification	CE / CB / PSE			
Maintenance	Front Access			

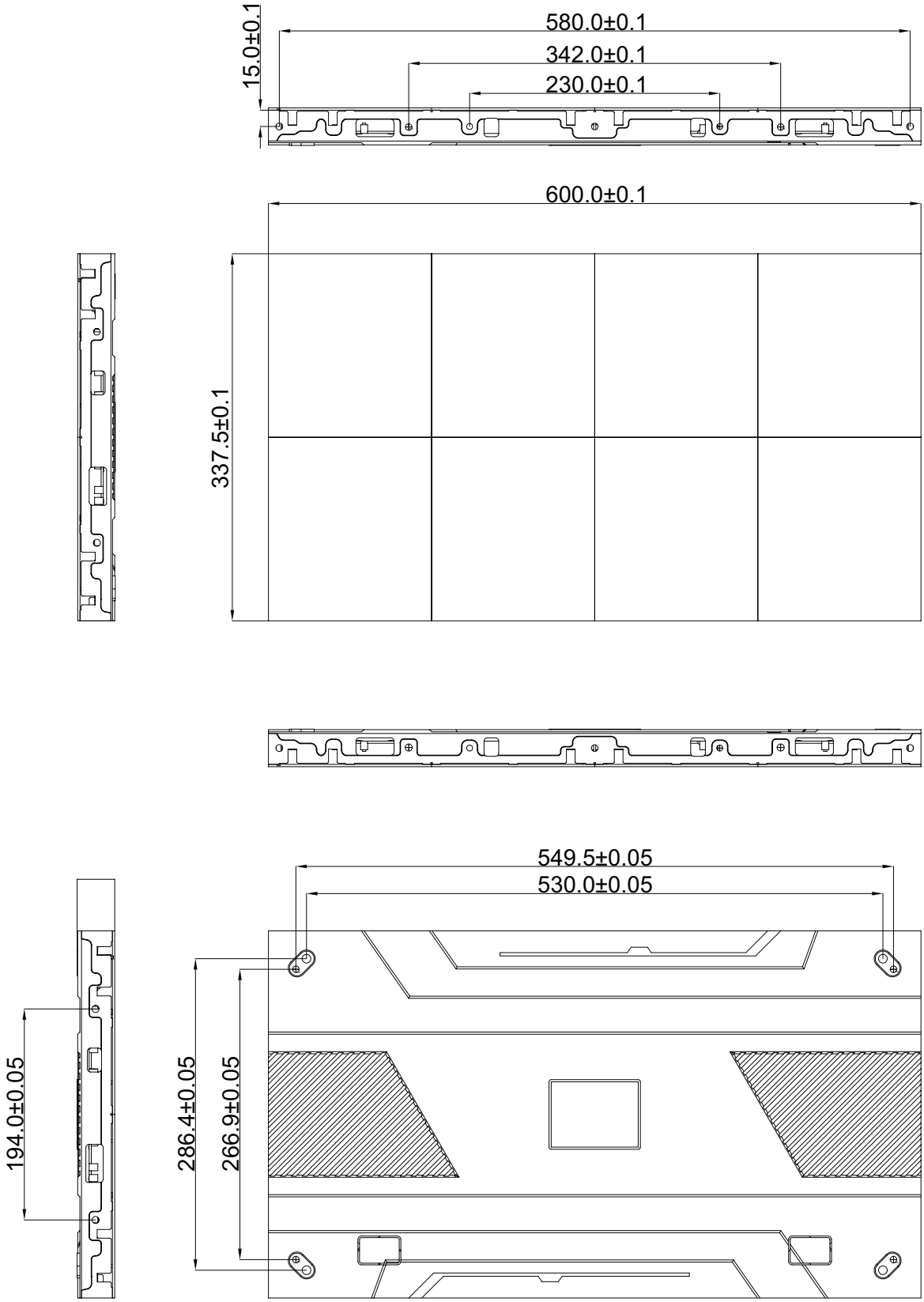
1. At 120 Hz, maximum loading capacity is reduced by 50% compared to 60 Hz.

* According to the current Hisense test environment.

** Product specifications may vary per region, and specifications are subject to change. This material may include corporate names and trademarks of third parties which are the properties of the third parties respectively.

Display Dimensions

XIH009FE / XIH012FE



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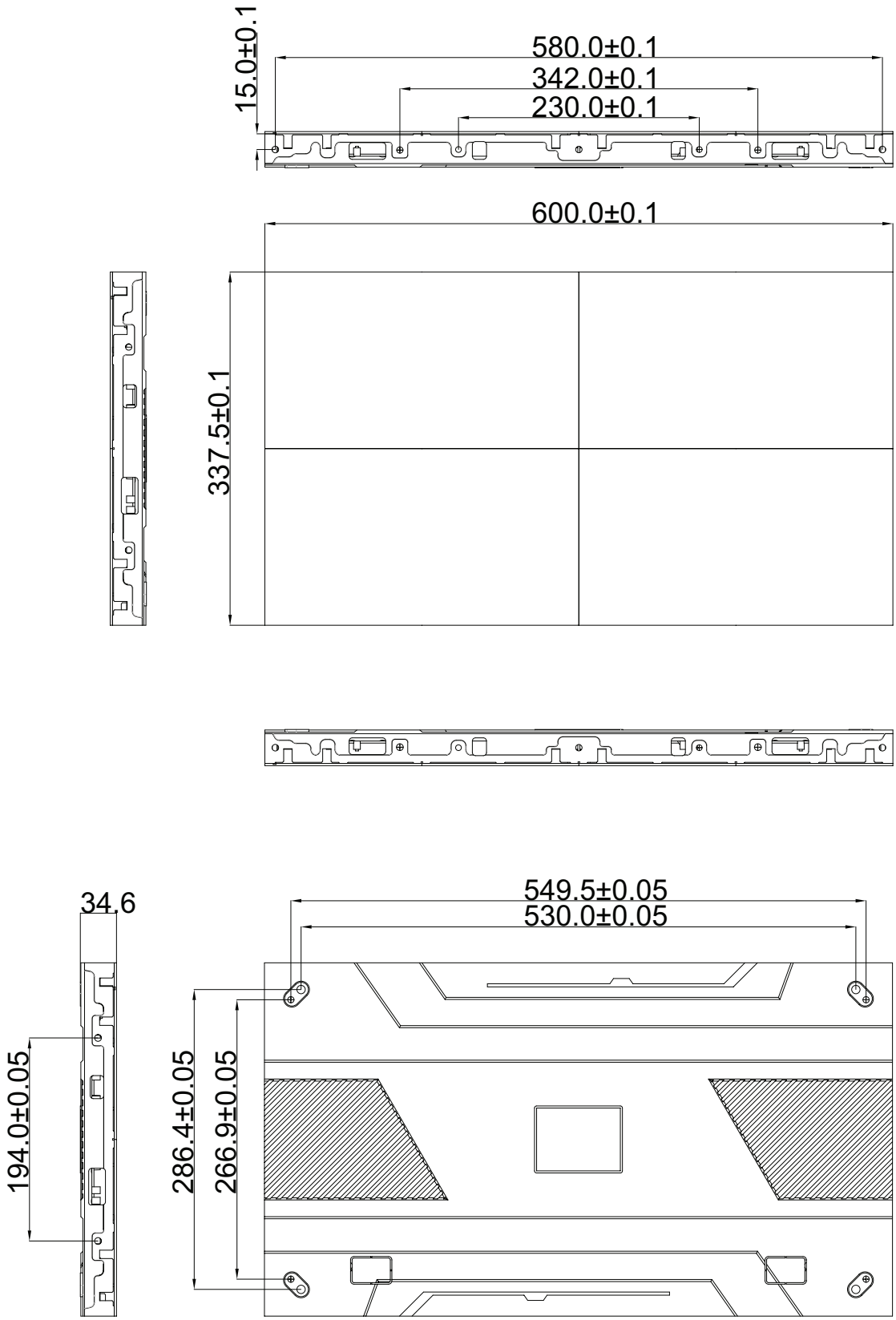
Display Dimensions

XIH015FE / XIH018FE



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