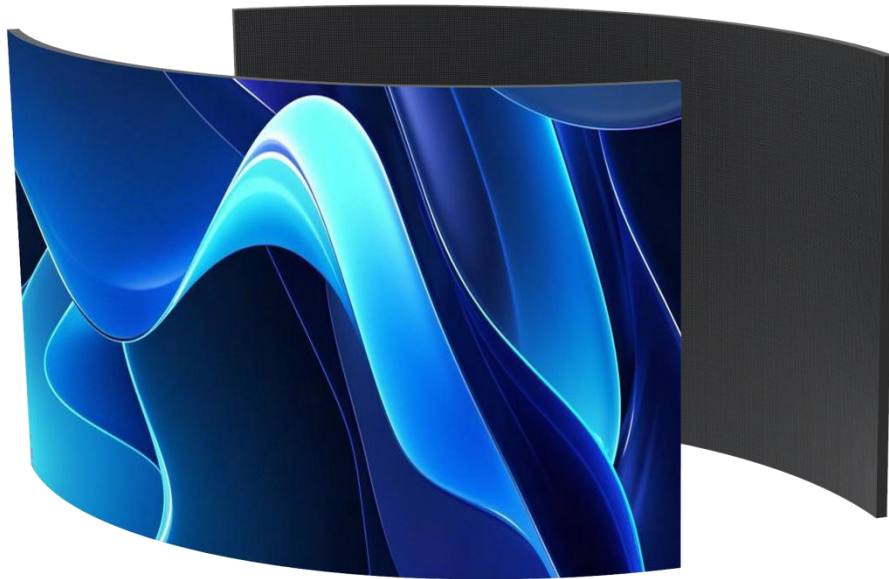


VF-MIP Series 300*168.75 Flexible
Indoor LED Display Module

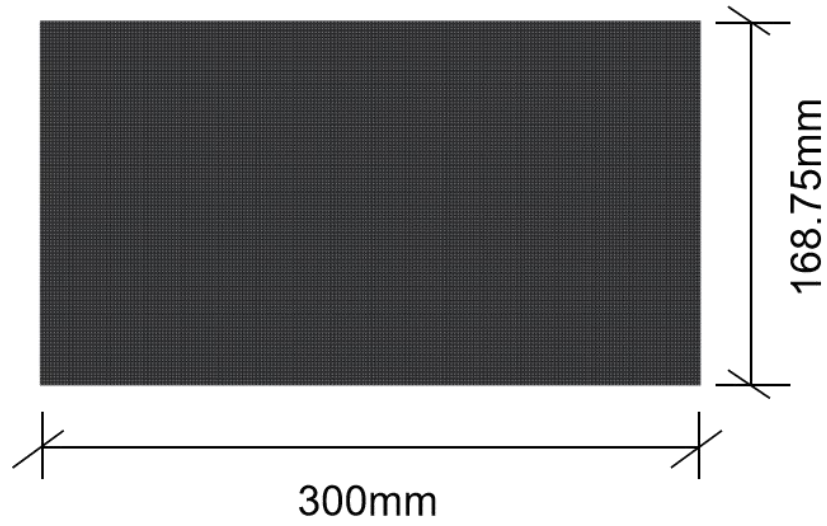


1. Product Introduction

The MIP flexible module is an integrated Mini/Micro LED display device that combines the advantages of SMD and COB. It possesses the image quality advantages of COB and the modular maintenance convenience of SMD, solving problems such as SMD's susceptibility to impacts, lamp failure, mediocre image quality, and poor reliability and protection. It also addresses COB's issues such as noticeable color differences when the screen is bright, difficult repairs, and inability to repair on-site.

The VF-300-MIP-D incorporates flexibility, energy saving, low heat generation, thinness, and a 16:9 aspect ratio. It supports 2K/4K/8K/pixel-to-pixel resolutions and can be assembled into curved screens, cylinders, etc., according to requirements. It features dust and moisture resistance, high contrast, wide viewing angles, high reliability, and highly consistent screen brightness and blackout. Its delicate and stable image quality makes it suitable for various scenarios such as commercial displays, command and control, television studios, and interactive conferences, providing efficient and high-quality display solutions for terminal products.

Product Dimensions

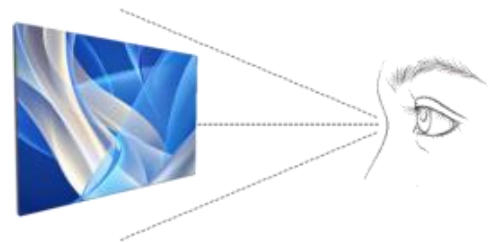


2. Product Features:

- High contrast ratio: 15000:1, high color reproduction, high grayscale, darker background, brighter screen, making the picture more delicate and clear.



- Wide viewing angle: The horizontal viewing angle reaches 170° , with no black spots when viewed from the side, providing a wider field of view suitable for viewing from multiple angles.



- Ultra-thin and lightweight: The module is only 4.1mm thick, making it more flexible and taking up less space.



- Common cathode design: Full flip-chip common cathode MIP module, with good stability, low



power consumption and energy saving, low heat, small light decay, high brightness, and low power consumption and energy saving of 50%.

- High protection and high reliability: Surface protection rating IP65, anti-static, shockproof, dustproof, and moisture-proof



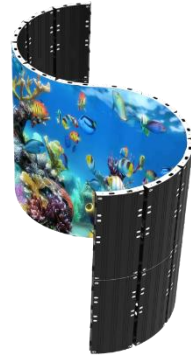
- Easy to clean: The surface is smooth and hard. Simply wipe the surface gently with pure water and a microfiber lint-free cloth to clean it.



- The optimal 16:9 aspect ratio, supporting 2K/4K/8K/pixel-to-pixel resolution, is the preferred module size for command and control, conference rooms, and commercial all-in-one displays.



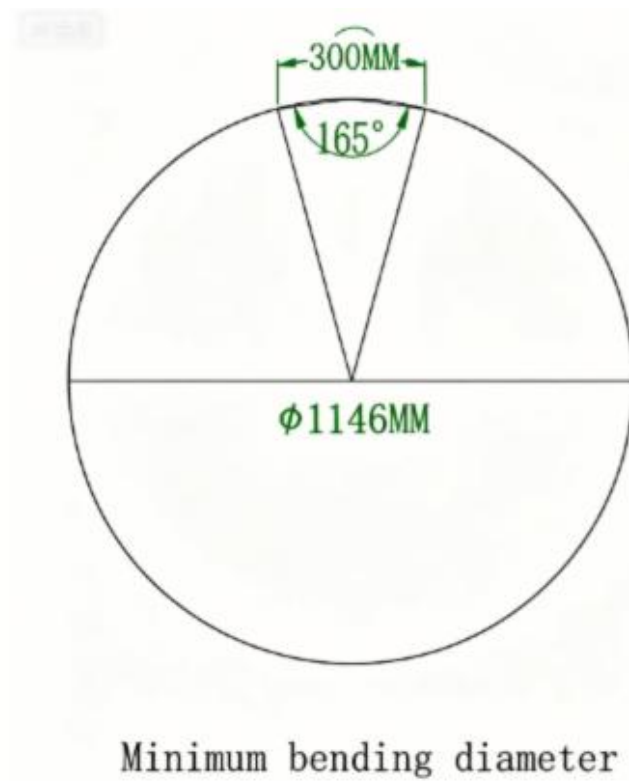
- Die-cast aluminum enclosure: Equipped with die-cast aluminum to enhance screen flatness facilitate easy installation, and support inner curved screens, outer curved screens, and cylindrical screens.



- Optional: Hard link (with die-cast aluminum cabinet)

3. Soft module bending curvature

The inner and outer arcs are composed of 12 modules, with a minimum cylinder diameter of 1146mm.

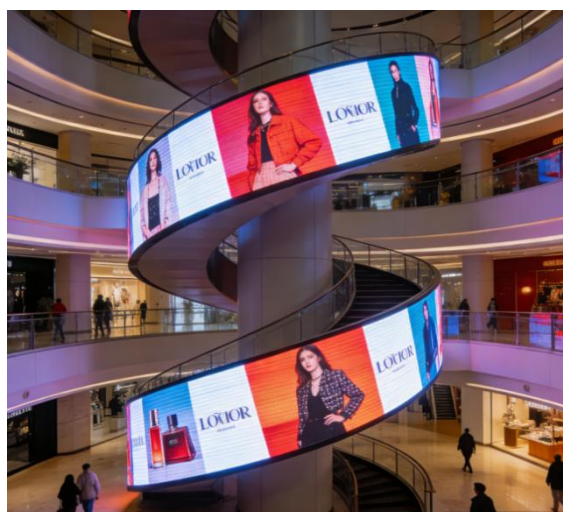


4. Product Parameters

Model		P0.9375	D1.25	D1.5625
Technical parameters	Pixel Configuration	1R1G1B (Full color)	1R1G1B (Full color)	1R1G1B (Full color)
	LED Chip Package Specifications	MIP0606	MIP0606	MIP0606
	Pixel Density (dots/m ²)	640000	640000	409600
	Module Size (mm)	300 x 168.75 x 4.1 (Length x Height x Thickness)	300 x 168.75 x 4.1 (Length x Height x Thickness)	300 x 168.75 x 4.1 (Length x Height x Thickness)
	Module Resolution	320X180	240X135	192X108
	Scanning Method	60scans	60 scans	54 scans
	Standard Constant Current IC	PWM	PWM	PWM
	Refresh Rate (Hz)	3840hz	3840hz	3840hz
	Frame Rate (Hz)	60hz	60hz	60hz
	Grayscale Level (bit)	14bit	14bit	14bit
	Signal Interface Type	Custom (non-cascading interface)	Custom (non-cascading interface)	Custom (non-cascading interface)
	Module Base Material	Silicone soft base	Silicone soft base	Silicone soft base
	Module Weight (g/sheet)	230g	210g	200g
	Flatness (mm)	≤ 0.3 mm	≤ 0.3 mm	≤ 0.3 mm
	Module Protection Rating	Surface IP65	Surface IP65	Surface IP65
	Installation/Maintenance Method	Front or rear installation/maintenance	Front or rear installation/maintenance	Front or rear installation/maintenance
Optical parameters	Brightness (cd)	800cd	800cd	800cd
	Color Temperature (K)	6500-9300K adjustable	6500-9300K adjustable	6500-9300K adjustable
	Coordinates	X:0.2800 Y:0.3000	X:0.2800 Y:0.3000	X:0.2800 Y:0.3000
	Horizontal/Vertical Viewing Angle	X:170° / Y:170°	X:170° / Y:170°	X:170° / Y:170°
	Contrast Ratio	15000:1	15000:1	15000:1
Electrical parameters	Module Supply Voltage DC (V)	R: 2.8-3V / GB: 3.8-4V	R: 2.8-3V / GB: 3.8-4V	R: 2.8-3V / GB: 3.8-4V
	Maximum Module Current DC (A)	R: 1A / GB: 1.6A	R: 1A / GB: 1.6A	R: 1A / GB: 1.6A
	Maximum Module Power Consumption (W/sheet)	10 w	10 w	10 w
	Operating Input Voltage AC (V)	220 V	220 V	220 V

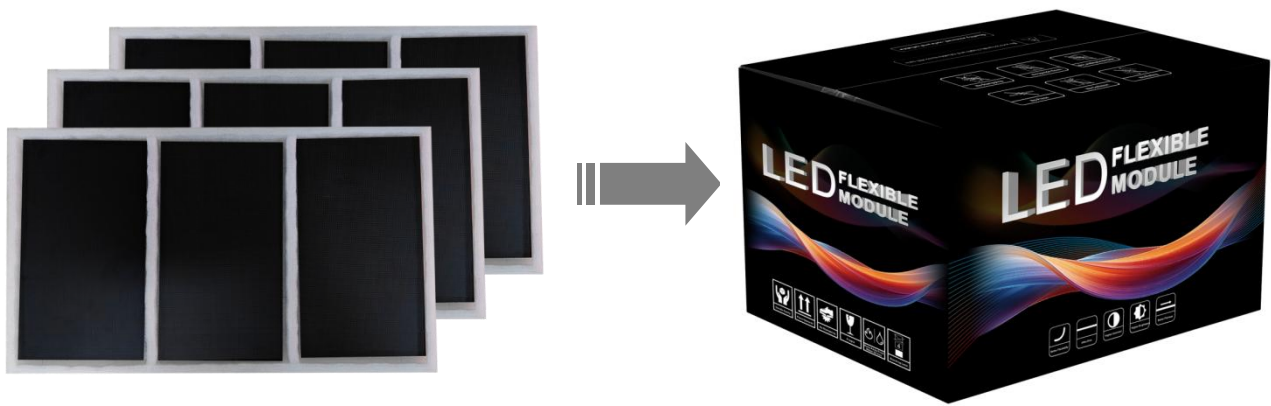
	Peak Power Consumption (W/m ²)	220w	220w	220w
	Average Power Consumption (W/m ²)	80 w	80 w	80 w
Use parameters	Typical Lifespan (h)	100 000 h	100 000 h	100 000 h
	Operating Temperature/Humidity Range	-10—40℃, 20%—90%RH non-condensing	-10—40℃, 20%—90%RH non-condensing	-10—40℃, 20%—90%RH non-condensing
	Storage Temperature/Humidity Range	-40—60℃, 20%—80%RH non-condensing	-40—60℃, 20%—80%RH non-condensing	-40—60℃, 20%—80%RH non-condensing

5. Product Application



6. Product Packaging

Module dimensions (mm)	Outer dimensions of the carton (mm)	Number of modules (pcs)	Weight of the whole box (KG)
300X168.75	583mm × 343mm × 375mm (Length × Width × Height)	54	14



7. Installation details

1. Handle with care to avoid drops and collisions. Avoid squeezing or bumping the edges of modules during assembly. Use vacuum suction cups for disassembly.
2. Wear anti-static gloves before touching the display screen or modules. Do not touch directly with your bare hands.
3. Do not wipe or violently strike the modules with hard or sharp objects. Plug and unplug cables gently.
4. Do not use galvanized iron square tubing (it affects assembly accuracy). Sheet metal spray-coated enclosures or higher precision structures are recommended.
5. The installation area must be well-ventilated. If necessary, install an air conditioner behind the screen.
6. Keep the display screen away from moisture, corrosive acids and alkalis, strong vibrations, and strong magnetic fields. Do not place the display screen directly facing the air conditioner vent.
7. Modules must be separated by protective partitions. Do not stack them without partitions or place them directly on the ground.
8. The bending angle of the modules should be between 165° and 180° . Do not subject the modules to repeated, violent bending.
9. Protect the display from rain and sun; avoid rain and immersion.
10. Use a separate grounding wire to ensure the display screen is properly grounded.
11. Power Supply Voltage: Common Cathode Module: 2.8V-3V (Red) / 3.8V-4V (Green/Blue).
12. Cleaning: After turning off the power, gently wipe the surface with pure water and a microfiber lint-free cloth. Do not use chemical solvents or abrasive cloths.
13. Power must be turned off before installation/disassembly/maintenance. Do not operate while the power is on.
14. Operating Environment: Temperature $-10^{\circ}\text{C}\sim 40^{\circ}\text{C}$, Humidity 20%~90%RH.
15. Storage Conditions: Temperature $-40^{\circ}\text{C}\sim 60^{\circ}\text{C}$, Humidity 20%~80%RH.
16. For any application-related questions, please consult the manufacturer. The manufacturer assumes no legal responsibility for consequences arising from failure to comply with this instruction manual or improper/unsafe use.

This document will be updated from time to time, and we reserve the right to modify the specifications without notice. Please contact our service team for the latest information.



The module bending angle should be between 165° and 180°. Repeated bending of the module is prohibited.