

INFILED

Screen your dreams



WP SERIES

**The ultra-thin display
your visuals are craving for**

CORPORATE | CONTROL ROOMS | RETAIL | XR&VP

SCREEN YOUR SPACES

The WP series redefines versatility in LED display technology, delivering high-performance visuals across corporate, educational, hospitality, control room, broadcast, event, and digital signage environments. With low heat dissipation and zero noise, it's perfectly suited for workspaces and learning settings where comfort and focus matter most.

◆ Hospitality

- Fixed or mobile, the WP series can enhance the viewers experience with eye-catching digital content and advanced visual effect.



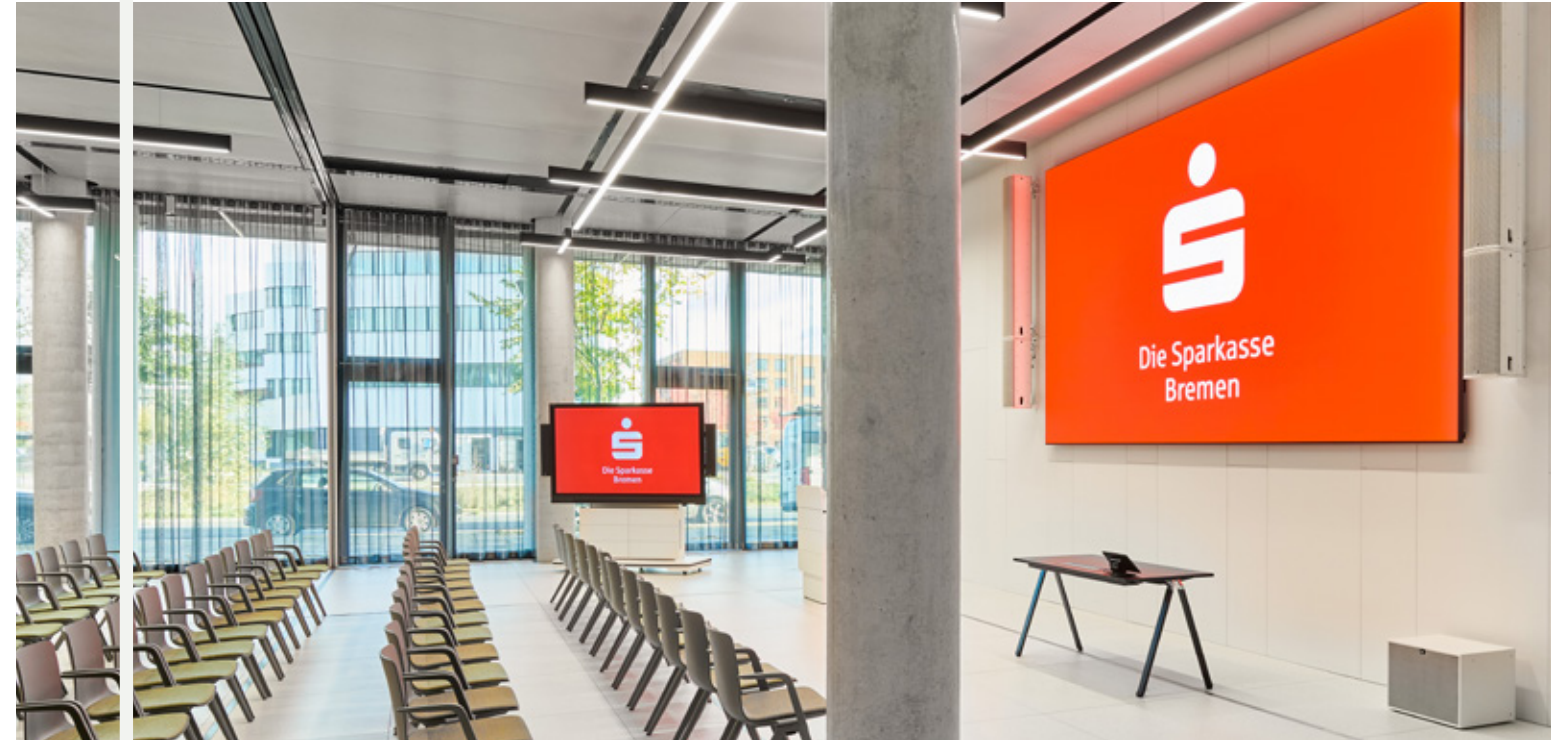
◆ Broadcast

- High refresh rate, low latency excellent color depth and great grayscale make it an ideal solution for broadcast and film studios.



◆ Corporate

- The WP's fine pixel pitch and ultra-thin design, high image quality and no bezel, makes it an ideal solution for any corporate environment.



◆ Control rooms

- The WP's dynamic control system allows multi-level user management for advanced operations and meets strict EMC Class B certification requirements for command and control centers.

◆ Education

- Collaborative environments to carry out presentations, videoconferences and inspiring workshops.

VISUALLY STUNNING. BUILT TO SAVE

The WP Series achieves significant energy savings through the use of common cathode technology, consuming considerably less power and generating less heat compared to products without this technology.

◆ High Definition

- High in brightness, refresh rate, grayscale, contrast.
- A panel ratio of 16:9 combined with fine pixel pitch achieves the setup of Full HD, 4K, and 8K.
- Anti-glare technology is applied to the surface of the panels to ensure visual comfort for viewers.
- High refresh rate 7680Hz - response playback in nanoseconds
- Ultra-high contrast ratio 30000:1
- Extreme black is achievable, avoiding distorted tones
- Grayscale 16bit, up to 24bit; Delicate color, clear picture
- Brightness up to 1500nits Increase screen brightness by 20%-50%



Full HD 1920×1080

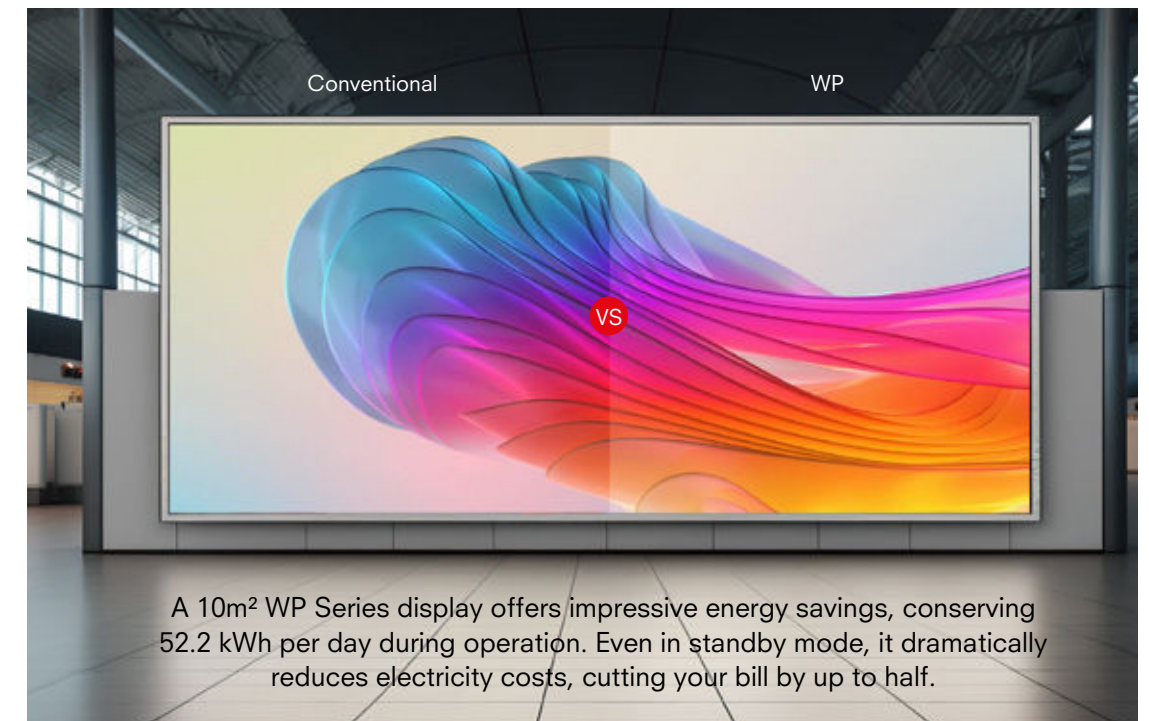
4K 3840×2160

8K 7680×4320

16:9 RATIO

◆ Energy Efficient

- With screen cooling technology, its operating temperature is approximately the same as body temperature.
- Longer product lifespan, lower energy costs, and a more comfortable operating environment.
- Common-cathode technology consumes about 58% less power than regular products.
- At the same brightness, its maximum power consumption is just 30% of comparable products on the market, and in standby mode, it uses only 42% of the power of similar pixel pitch products.



◆ HDR Technology

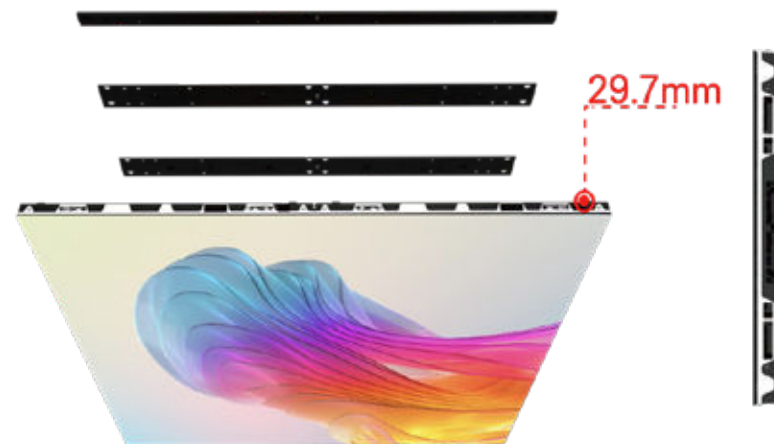
- HDR10 technology is applied, with a wider color spectrum and higher contrast; compared with SDR, HDR has higher color accuracy and stronger visual impact.



ULTRA-THIN AND LIGHTWEIGHT DESIGN

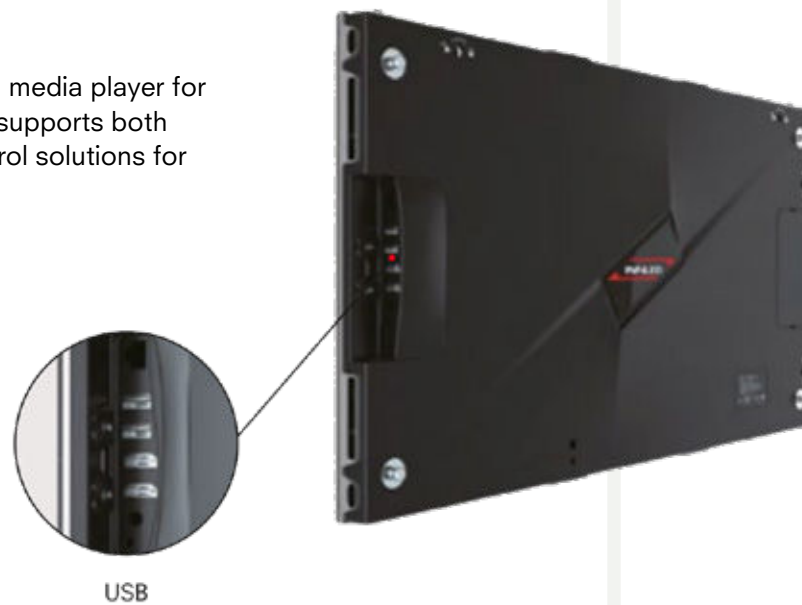
◆ Ultrathin

- Features an edge thickness of 29.7mm, and the combined thickness is only 37mm with a slimline floating bracket.
- The weight of each cabinet is only 4.9kg.



◆ Built-in Media Player

- The WP features an integrated media player for a fully standalone screen and supports both traditional and advanced control solutions for ease of use

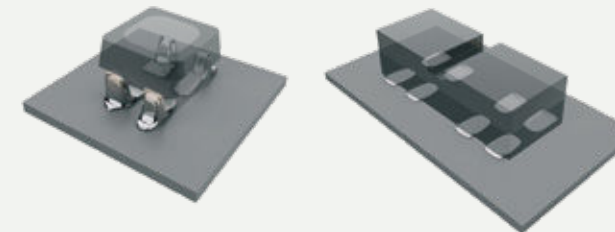


◆ Reliable Configuration

- EMC Class B, effective anti-electromagnetic interference;
- The backup power and dual signal loop guarantee the stable performance of the LED screen.

YOU DREAM BIG, WE BUILD DISPLAYS TO BE STRONG.

ArmorLED



Conventional 4-pin design

8-pin design

DOUBLING THE STRENGTH

Harnessing triple LED techniques, 8-pin LEDs, and an Enhanced-Pad design, alongside GOE packaging craftsmanship, ArmorLED boosts LED adhesiveness by 4-10 times and increases resilience against collisions.

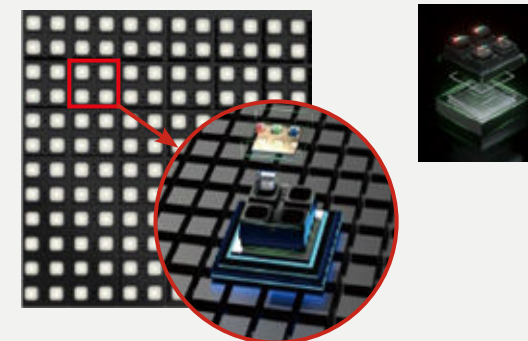
This ensures robust durability and long-lasting performance.

MASTERY IN SURFACE MOUNT TECHNOLOGY

SMT Process:

With 15 years of experience, INFiLED has perfected its Surface Mount Technology (SMT).

Expertise in stencil design, precise reflow soldering temperature control, and high-precision equipment ensures highly reliable soldering, setting a benchmark of excellence in the industry.



STABLE AND TOUGH

- 4-in-1 LED package, making the LED beads anti-collision performance improved by 2 times;
- Applying a cup-shaped LED bead structure design to effectively improve luminous cohesion and avoid light interference between beads.

YOU DREAM BRIGHT, WE KEEP LEDS COOL.

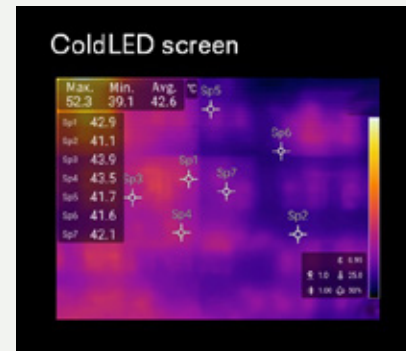
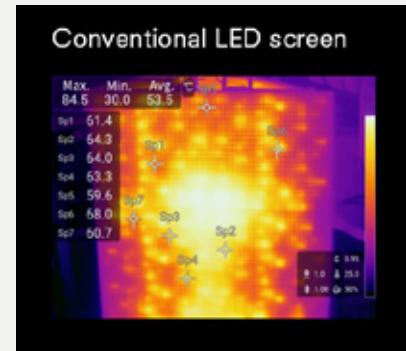
ColdLED



COLDLED DISPLAYS LAST 100% LONGER

Well-Designed PCB Layout:

- The balanced circuit design of the PCB board optimizes performance and heat dissipation, reducing screen operating temperature. It features a complete reference plane to lower impedance and enhance heat dissipation.
- INFiLED's co-developed power supplies achieve 92% efficiency, surpassing the conventional 85-88% range, further reducing heat generation.



PREVENTS OVERHEATING AND REDUCES COOLING COSTS

High-Quality Driver ICs:

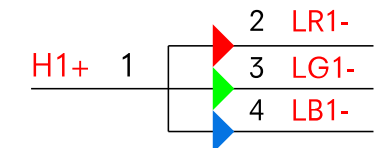
- To ensure reliability, INFiLED uses top-tier driver ICs in ColdLED technology screens. Utilizing 60nm ICs, which are more precise than the industry standard of 80nm-120nm, results in lower power consumption and reduced screen temperatures.
- Additionally, row-column driving enhances LED control precision and reduces IR drop.



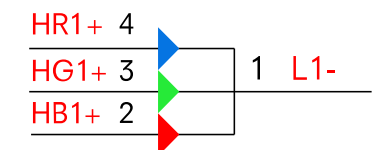
50% CONSUMPTION REDUCTION AND 100% PERFORMANCE RELIABILITY

COMMON CATHODE Technology:

- Conventional displays use a common anode method, which causes power wastage and increased heat due to different voltages for R, G, and B LEDs.
- Common cathode displays use separate power supplies for each color, reducing power consumption and screen temperature, and improving component reliability and lifespan.



Common Anode

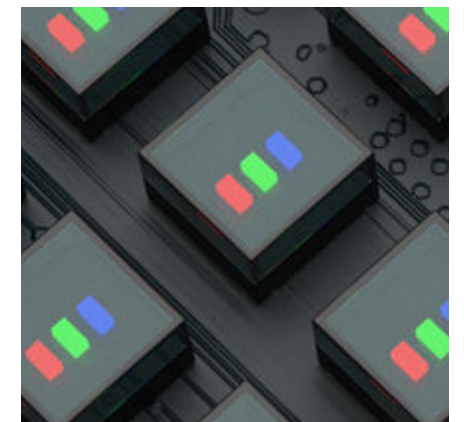


Common Cathode

OPERATES AT LOWER TEMPERATURES

FLIP-CHIP Method:

- The flip-chip assembly mounts chips directly onto the substrate, maintaining efficiency with shorter connections. Infiled uses this base flip-chip characteristic together with the other components, to improve heat dissipation and thermal performance.



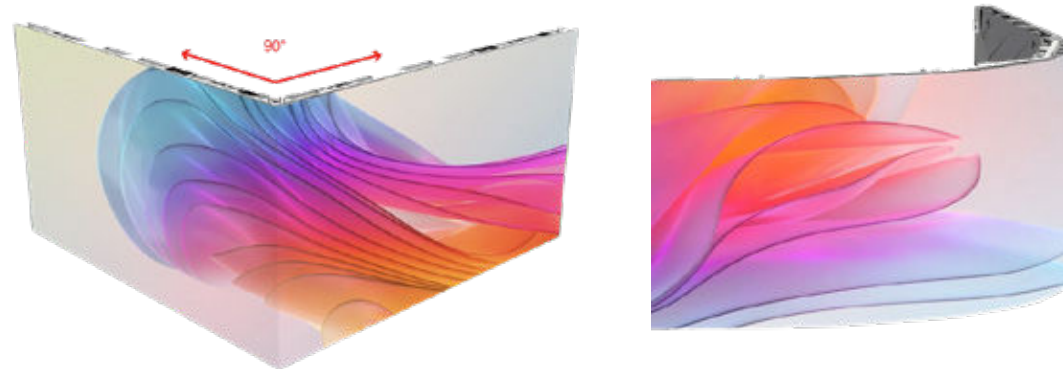
FLEXIBLE INSTALLATIONS AND EASY MAINTENANCE.

◆ Fast installation. Multiple options.

- Wall-mounted: Slim-line floating mounting brackets allow quick and easy installation and result in a flat seamless finish.
- Mobile Stand: WP series can also be mounted on a trolley to transform into brackets allow quick and easy installation and result in a flat seamless finish.



- Creative corner and curved sceens: Corner screen building options for creative applications. The arc customized scheme is optional.



◆ Flexible installation

- With a safety factor of 10, the single-row stacking can reach up to 72 cabinets;
- With a safety factor of 10, the single-row hoisting can reach up to 18 cabinets.



◆ Easy maintenance

- Support front maintenance, optional vacuum suction tool for quick and lossless removal of the LED modules.



SPECIFICATIONS



WP Specification

General Information	Model Number	IL-FISS-IRWP1.25	IL-FISS-IRWP1.56	IL-FISS-IRWP1.87
	Pixel Pitch	1.25mm	1.56mm	1.87mm
Physical Parameter	Physical Density	640,000pixels/m ²	409,600 pixels/m ²	284,444 pixels/m ²
	LED Arrangement	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD
	Module Resolution (W x H)	240×135 pixels	192 x108 pixels	160x90 pixels
	Module Dimensions (W x H, mm)	300x168.75mm (11.81×6.64in)	300x168.75mm (11.81×6.64in)	300x168.75mm (11.81×6.64in)
	Cabinet Resolution	480×270pixels	384x216 pixels	320x180 pixels
	Cabinet Dimensions (mm/inch)	600x337.5x29.5mm (23.6x13.3x1.16in)	600x337.5x29.5mm (23.6x13.3x1.16in)	600x337.5x29.7mm (23.62x13.29x1.17in)
	Cabinet Weight (Unit case/Square meter)	5.2kg	5.2kg	5.2kg
Optical Parameter	Brightness (After Calibration)	800 - 1000 nits	800 - 1000 nits	800 - 1100 nits
	Viewing Angle	160°/160°	160°/160°	160°/160°
Power Supply	Max. Power Consumption(W/Unit)	135-150 W/Panel	135-150 W/Panel	135-150 W/Panel
	Avg. Power Consumption(W/Unit)	45-50 W/Panel	45-50 W/Panel	45-50 W/Panel
	Operating Power Source	100-240V AC 50-60Hz	100-240V AC 50-60Hz	100-240V AC 50-60Hz
Control System	Refresh Rate	3840Hz	3840Hz	3840Hz
	Signal Input Source	DVI, HDMI,DP, SDI,RJ45	DVI, HDMI,DP, SDI,RJ45	DVI, HDMI,DP, SDI,RJ45
Operation Conditions	Operating Temperature	-10°C--+45°C	-10°C--+45°C	-10°C--+45°C
	IP Rating (Front/Rear)	IP30	IP30	IP30
	Certification	CE, FCC, ETL, CB, RoHS, REACH, WEEE	CE, FCC, ETL, CB, RoHS, REACH, WEEE	CE, FCC, ETL, CB, RoHS, REACH, WEEE

The product specifications can be customized.

SPECIFICATIONS

WP Specification

General Information	Model Number	IL-FISS-IRWP2.34	IL-FISS-IRWP2.50
	Pixel Pitch	2.34mm	2.50mm
Physical Parameter	Physical Density	182,044 pixels/m²	160,000 pixels/m²
	LED Arrangement	3 IN 1 SMD	3 IN 1 SMD
	Module Resolution (W x H)	128x72 pixels	120x135 pixels
	Module Dimensions (W x H, mm)	300x168.75mm (11.81×6.64in)	300x337.5mm (11.81×13.28in)
	Cabinet Resolution	256x144 pixels	240x135 pixels
	Cabinet Dimensions (mm/inch)	600x337.5x29.7mm (23.62x13.29x1.17in)	600x337.5x29.7mm (23.62x13.29x1.17in)
	Cabinet Weight (Unit case/Square meter)	5.2kg	5.2kg
Optical Parameter	Brightness (After Calibration)	1000 - 1200 nits	1200 - 1500 nits
	Viewing Angle	160°/160°	160°/160°
Power Supply	Max. Power Consumption(W/Unit)	135-150 W/Panel	135-150 W/Panel
	Avg. Power Consumption(W/Unit)	45-50 W/Panel	45-50 W/Panel
	Operating Power Source	100-240V AC 50-60Hz	100-240V AC 50-60Hz
Control System	Refresh Rate	3840Hz	3840Hz
	Signal Input Source	DVI, HDMI,DP, SDI,RJ45	DVI, HDMI,DP, SDI,RJ45
Operation Conditions	Operating Temperature	-10°C~+45°C	-10°C~+45°C
	IP Rating (Front/Rear)	IP30	IP30
	Certification	CE, FCC, ETL, CB, RoHS, REACH, WEEE	CE, FCC, ETL, CB, RoHS, REACH, WEEE

WP Specification

General Information	Model Number	IL-FISS-IRWP3.12	IL-FISS-IRWP1.25 Flip
	Pixel Pitch	3.12mm	1.25mm
Physical Parameter	Physical Density	102,400 pixels/m²	640,000 pixels/m²
	LED Arrangement	3 IN 1 SMD	3 IN 1 SMD
	Module Resolution (W x H)	96x54 pixels	240x135 pixels
	Module Dimensions (W x H, mm)	300x168.75mm (11.81×6.64in)	300x168.75mm (11.81×6.64in)
	Cabinet Resolution	192x108 pixels	240x135 pixels
	Cabinet Dimensions (mm/inch)	600x337.5x29.7mm (23.62x13.29x1.17in)	600x337.5x29.7mm (23.62x13.29x1.17in)
	Cabinet Weight (Unit case/Square meter)	5.2kg	5.2kg
Optical Parameter	Brightness (After Calibration)	1200 - 1500 nits	1000 nits
	Viewing Angle	160°/160°	160°/160°
Power Supply	Max. Power Consumption(W/Unit)	135-150 W/Panel	55W/Panel
	Avg. Power Consumption(W/Unit)	45-50 W/Panel	18W/Panel
	Operating Power Source	100-240V AC 50-60Hz	100-240V AC 50-60Hz
Control System	Refresh Rate	3840Hz	3840Hz
	Signal Input Source	DVI, HDMI,DP, SDI,RJ45	DVI, HDMI,DP, SDI,RJ45
Operation Conditions	Operating Temperature	-10°C~+45°C	-10°C~+45°C
	IP Rating (Front/Rear)	IP30	IP30
	Certification	CE, FCC, ETL, CB, RoHS, REACH, WEEE	CE, FCC, ETL, CB, RoHS, REACH, WEEE

The product specifications can be customized.

WP Specification

General Information	Model Number	IL-FISS-IRWP1.56 FLIP	IL-FISS-IRWP1.87 FLIP	IL-FISS-IRWP1.56MT4
	Pixel Pitch	1.56mm	1.87mm	1.56mm
Physical Parameter	Physical Density	409,600 pixels/m²	284,444 pixels/m²	409,600pixels/m²
	LED Arrangement	3 IN 1 SMD	3 IN 1 SMD	4-in-1 IMD
	Module Resolution (W x H)	192 x108 pixels	160x90 pixels	192 x108 pixels
	Module Dimensions (W x H, mm)	300x168.75mm (11.81×6.64in)	300x168.75mm (11.81×6.64in)	300x168.75mm (11.81×6.64in)
	Cabinet Resolution	384x216 pixels	320x180 pixels	384x216 pixels
	Cabinet Dimensions (mm/inch)	600x337.5x29.7mm (23.62x13.29x1.17in)	600x337.5x29.7mm (23.62x13.29x1.17in)	600x337.5x29.7mm (23.62x13.29x1.17in)
	Cabinet Weight (Unit case/Square meter)	5.2kg	5.2kg	4.95kg
Optical Parameter	Brightness (After Calibration)	1000nits	1,000nits	800nits
	Viewing Angle	160°/160°	160°/160°	160°/160°
Power Supply	Max. Power Consumption(W/Unit)	80W/Panel	80W/Panel	60W/Panel
	Avg. Power Consumption(W/Unit)	27W/Panel	27W/Panel	20W/Panel
	Operating Power Source	100-240V AC 50-60Hz	100-240V AC 50-60Hz	100-240V AC 50-60Hz
Control System	Refresh Rate	3840Hz	3840Hz	7680Hz
	Signal Input Source	DVI, HDMI,DP, SDI,RJ45	DVI, HDMI,DP, SDI,RJ45	DVI, HDMI,DP, SDI,RJ45
Operation Conditions	Operating Temperature	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
	IP Rating (Front/Rear)	IP30	IP30	IP30
	Certification	CE, FCC, ETL, CB, RoHS, REACH, WEEE	CE, FCC, ETL, CB, RoHS, REACH, WEEE	CE, FCC, RoHS,REACH, ETL

The product specifications can be customized.

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PIXEL PITCH	1.2, 1.5, 1.8, 2.3, 2.5, 3.1 mm
BRIGHTNESS	800 - 1500 nits
CABINET SIZE (WxHxD)	600 x 337.5 x 29.7mm
IN/OUT	INDOOR

INFILED
Screen your dreams

CHINA | SPAIN | NETHERLANDS | GERMANY | UAE | USA | JAPAN | MALAYSIA | SINGAPORE
SOUTH KOREA | AUSTRALIA | NEW ZEALAND | COLOMBIA | INDONESIA | UK



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