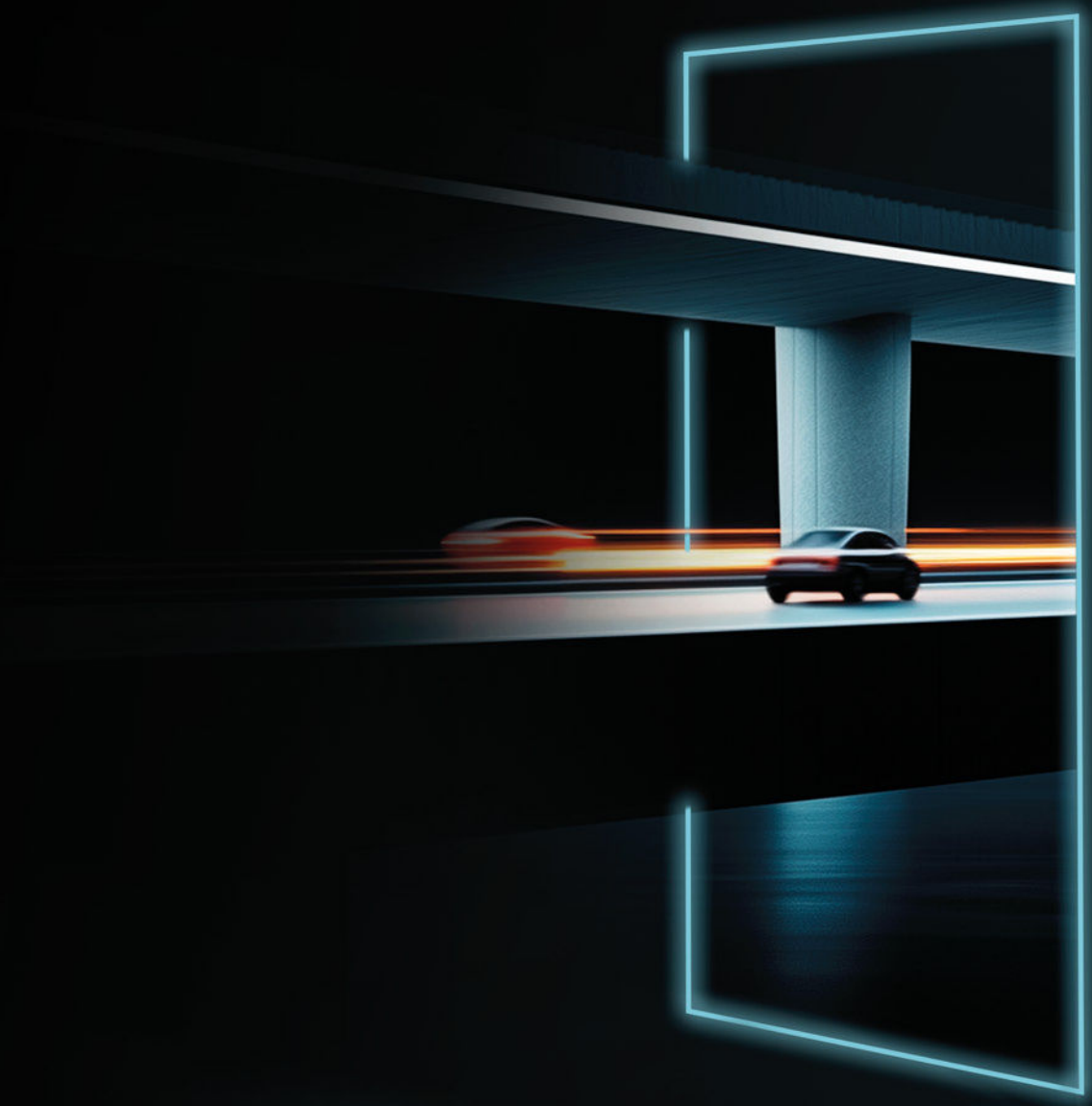


INFiLED

Screen your dreams



You dream of security,
we give you the control.

CONTROL ROOM

Inspiring screens to anticipate the future

Professionals dedicated to controlling, monitoring, and even directing remote operations, need visual media that faithfully show all actions to make the best decision in real time.



At INFiLED, we understand the critical role that control rooms play in modern operations. With the increasing complexity of data and the need for real-time decision-making, having a reliable and efficient control room is essential.

Our cutting-edge control room solutions empower organizations to monitor, manage, and respond effectively, ensuring optimal performance and safety across various sectors.



SCREEN YOUR SPACES

Unlocking Seamless Visual Intelligence

Screens are monitoring points for both controlling and commanding, helping us to take care of our operations and assets.

The control room is a mission-critical environment where multiple systems are connected and designed to operate 24/7/365 without any interruption of operations. Every control room consists of 5 main components: a visual display to project all inputs, a KVM Solution to control multiple sources from one

console, a Video Wall Processor to manage the LED display, technical furniture, and terminal devices that are monitored. As the IoT and AI industries progress, data complexity is growing all the time. IoT provides tremendous data that must be analyzed and displayed regularly.



On the other hand, AI enables the classification and identification of objects where a human operator must decide eventually. Visualizing all of this data is key to ensuring the smooth operation of integrated systems and improving risk mitigation, including fire-fighting, CCTV, access control, BMS, and automation. Hence, LED-based video walls have been enhanced to

accept different types of analog and digital inputs to allow faster adaptation to the latest trends in control rooms.

The ability to scale up and add an unlimited number of sources at minimal cost is important in maintaining 24/7 risk-free operation and lowering the TCO.



HUMAN CENTRIC SCREENS

Control the Present to Anticipate the Future

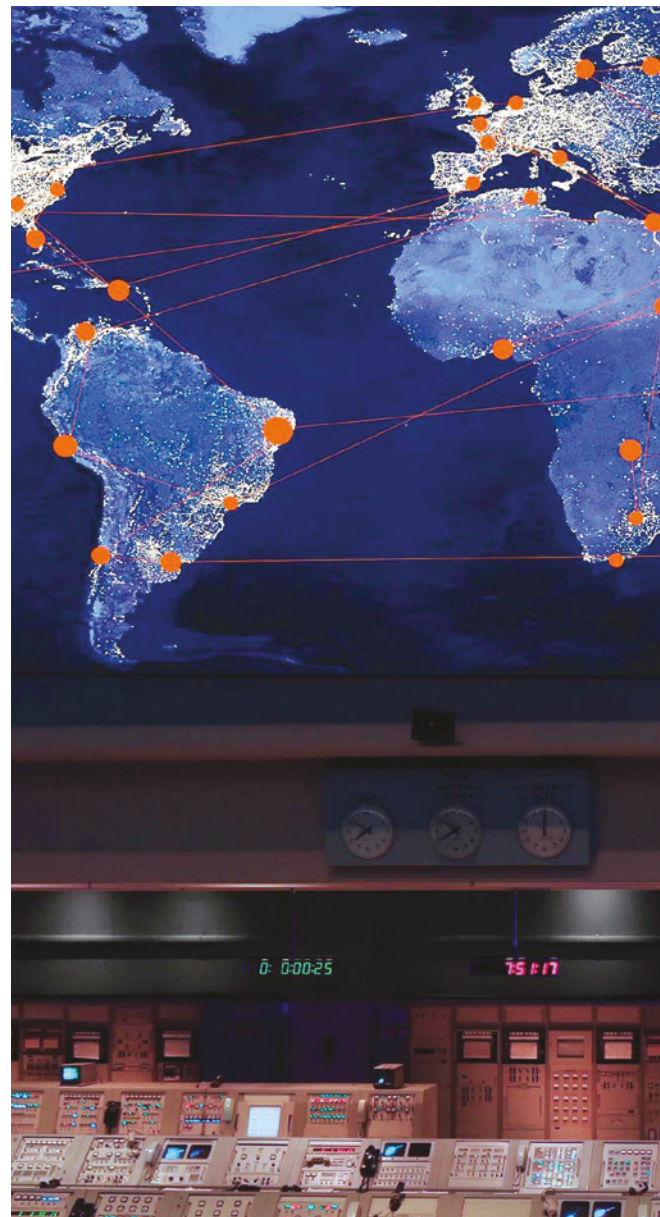
INFiLED displays are the best canvas to create reliable immersive experiences for everyone.

Excellence in Visual Display

INFiLED is a global leader in LED display technology. Our control room solutions offer ultra-high resolution and vibrant color accuracy, ensuring every detail is captured and displayed with precision. Whether it's monitoring surveillance feeds, analyzing data, or overseeing critical processes, our displays deliver an immersive visual experience.

Customization for Your Needs

We recognize that every control room is unique. Our team of experts works closely with you to design a tailored solution that meets your specific requirements. From display configurations and video wall layouts to ergonomic furniture design, we ensure seamless integration into your existing infrastructure.





Reliability Redefined

Uninterrupted operation is paramount in control rooms. Infiled control room solutions are built with reliability at the core. Our displays are engineered for 24/7 usage, featuring advanced cooling mechanisms and redundant components to minimize downtime and maximize efficiency.

Benefits

- Seamlessly integrated video walls for real-time monitoring
- High-resolution displays for detailed data analysis
- Enhanced color accuracy for better visual differentiation
- Ergonomically designed furniture for operator comfort
- Multi-source display capability for comprehensive data visualization
- Redundant systems for uninterrupted operation
- Remote management and diagnostics for proactive maintenance
- Scalable solutions to accommodate future expansions

SCREEN YOUR SPACES

Screens and professionals come together for best decisions in real time

LED Video walls play a vital role in control rooms to ensure operational efficiency in different areas of operation with complex visualization requirements. Operators in control rooms demand the largest canvas for mutual awareness.

Emergency Response and Crisis Management

Provide decision-makers with real-time information during emergencies, facilitating swift and coordinated responses.

Transportation and Traffic Management

Ensure smooth traffic flow and public safety by visualizing traffic patterns, incidents, and congestion in real time.

Broadcast and Media Monitoring

Manage and monitor broadcast content, ensuring seamless transmission and adherence to regulatory standards.





Energy and Utilities

Monitor and control power generation, distribution, and consumption with precision, optimizing operational efficiency.

Healthcare and Medical Imaging

Visualize complex medical data and images for accurate diagnosis, treatment planning, and researchal efficiency.

Security and Surveillance

We recognize that every control room is unique.

Financial Trading and Analysis

Analyze market data and trends on large, high-resolution displays, enabling informed financial decisions.

CUSTOMIZED DISPLAY SOLUTIONS

Experience the Future of Control Rooms

INFiLED screens can be adapted to any control-room needs, offering maximum reliability and high-performance display solutions that ensure continuous fail-safe operation.



Ultra-High Resolution

Ultra-high resolution displays that capture every detail with precision. From intricate data analysis to surveillance feeds, experience visuals like never before.

Color Accuracy and Consistency

With exceptional color accuracy and consistency, ensure that operators can discern crucial information quickly and accurately.

Customization at Its Finest

Infiled understands that every control room is unique. Flexible configurations, enabling tailor-made solutions that perfectly fit your specific operational needs.

Seamless Video Wall Integration

Create stunning and cohesive video walls with the WP Series. Enjoy a seamless canvas for presenting critical information, enhancing situational awareness, and facilitating better decision-making.

Remote Management and Diagnostics

Benefit from remote management and diagnostics capabilities, enabling proactive monitoring and maintenance. Maximize uptime and extend the lifespan of your display systems.



Reliability Redefined

Engineered for 24/7 operation, our range features redundant components and advanced cooling systems, minimizing downtime and ensuring uninterrupted performance.

Versatility Across Industries

Our solutions are versatile, catering to a wide range of industries, including security, transportation, healthcare, finance, and more. Whatever your sector, we adapt to your needs.

NEW TECHNOLOGY INNOVATION

ArmorLED TECHNOLOGY

Enhanced led screen protection performance

INFiLED's ArmorLED Technology sets a new standard for the durability and reliability of large LED screens.

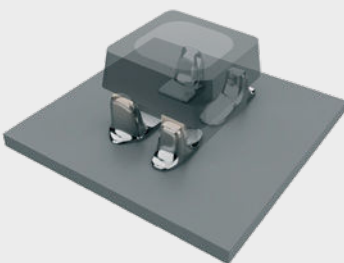
This advanced technology provides 4-10 times the thrust of standard LEDs, significantly reducing the risk of damage during operation, installation, and transportation.

M2/M4 8-pin Design LEDs:

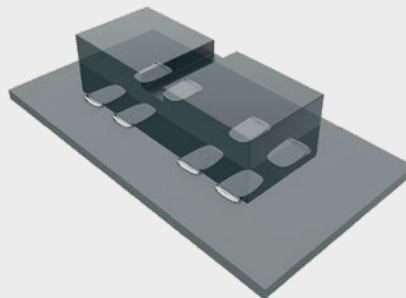
Doubling the Strength

ArmorLED technology introduces an innovative M2 and M4 structure with 8 pins, improving upon the traditional 4-pin LED lamp beads. This design enhances welding strength and increases the welding force by 3-5 times and thrust by 4-10 times, ensuring unmatched stability and reliability for LED display products.

4-pin design



8-pin design



SMT Process:

Mastery in Surface Mount Technology

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.

PCB Pad Optimization:

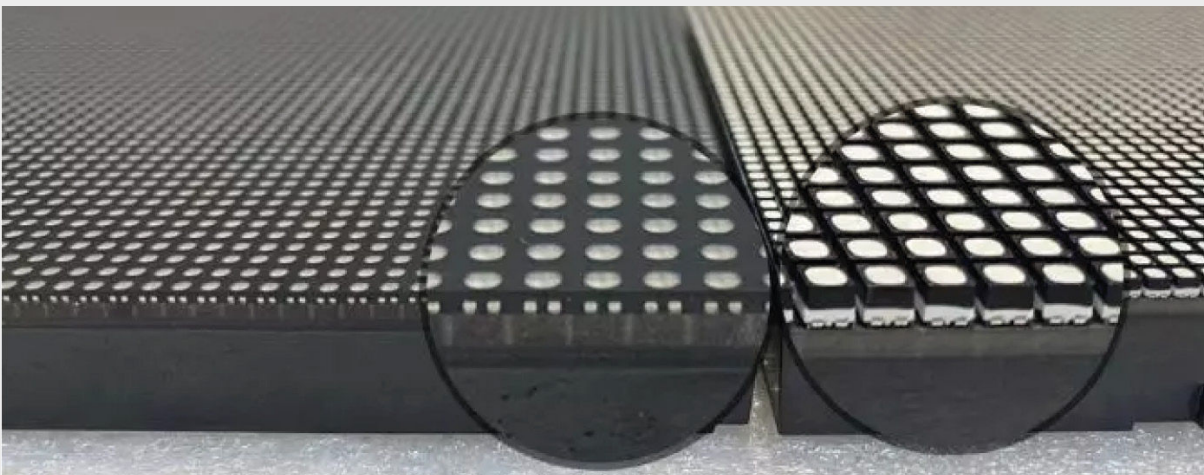
Enhanced Soldering Connections

The PCB Pad is crucial for attaching components through soldering, impacting LED soldering quality. INFiLED optimizes pad size to ensure a strong, durable bond between the LED and PCB, significantly enhancing stability and longevity.

GOE Process:

Superior LED Protection

The GOE (Glue-On Electronics) Process developed by INFiLED enhances the bonding between LEDs and PCBs by precisely controlling glue placement. This process eliminates gaps and reinforces the connection, ensuring better protection and maintaining superior display quality.



NEW TECHNOLOGY INNOVATION

C*IdLED

TECHNOLOGY

The result of years of dedicated research and development.

Featuring inverted LED packaging, increased luminous efficiency, an energyefficient IC driver, and meticulous power distribution design, ColdLED optimizes heat dissipation.

- Ensures premium quality while significantly reducing power consumption.
- Offers an immersive direct LED screen viewing and touch experience.
- Enhances LED thermal patterns to elevate picture quality and ensure a more dependable product lifespan.



SOLIDSKIN TECHNOLOGY

Enhanced screen durability.

With greater impact resistance and visual clarity, SolidSkin elevates the performance and reliability of the screens.



- This technology ensures stable performance across various environments.
- Improves the impact resistance of LED panels. The adhesive layer safeguards them against potential damage caused by vibrations or pressure.
- By applying GOB, the way light is emitted from the LEDs transitions from point light emission to area light emission. This transformation ensures consistent color representation and uniform brightness.

PRODUCT RANGE

Manage the Details

At INFiLED we place technology at the service of decision-makers with 24/7 reliable and efficient display tools to help minimise human errors.

Color uniformity

INFiLED guarantees 97% color and brightness uniformity across the entire video wall, by applying a smart calibration algorithm.

Easy calibration of the video wall

INFiLED calibrates the video wall at the factory during the aging process. This makes the installation process easy and fast.

Less real-estate

LED video walls require less space compared to rear projection cubes. These cubes require at least 1 meter of space behind, in addition to a 60cm catwalk for maintenance. Additionally, cubes cannot be hung on the wall due to their heavy weight.

Easy installation & maintenance

Using the free spare parts that INFiLED provides with each shipment, it is extremely easy to repair the LEDs, modules, and cabinets. Easy adjustment due to a smart interlocking system.

Sustainable

LED Video walls consume much less power compared to the usual rear projection cubes that use a light source engine sealed in a box and reflected on the screen through the mirror to become visible.

WV SERIES



The WP Series, a cutting-edge lineup of LED display solutions specifically designed to transform control rooms into hubs of seamless visual intelligence.

With a focus on unmatched image quality, reliability, and tailored customization, the WP Series is set to revolutionize the way control rooms operate across various industries.

Quiet and fanless

Traditional LCD video walls have loud fans.

Durability

The products are tested to work 24/7 and have a lifespan of 100,000 hours.

Variety

LED can have many shapes and sizes, in addition to the option of concave and convex.

Less cooling

Compared to LCD, LED video walls emit less heat and hence need less cooling.

Wide viewing angle

160/160 degrees both horizontally and vertically.

Bezel-less

LED video walls are seamless and do not have any bezels between the cabinets.

Flicker free images

Prevents eye strain and fatigue.

No screen reflection

Compared to LCD.



PRODUCT RANGE

Showcase your world in infinite ways



The WV is a standard 54-inch display with a small pixel pitch, specifically designed for indoor applications. It is particularly well-suited for control rooms.

The cabinets of the WV are thin and lightweight, allowing for easy front and rear maintenance. Additionally, they feature intelligently designed positioning locks and other components that facilitate effortless installation.

Pixel Pitch	1.25. 1.56mm
Brightness	800 - 1000nits
Cabinet size (WxHxD)	1200x675x41mm





In terms of visual performance, the WV boasts an impressive contrast ratio of 10,000:1 and supports HDR10 technology, ensuring the display of high-definition content on the screen.

A great display solution for indoors, well-designed quality screens. Indoor applications

WP SERIES



WP Series is INFiLED's flagship fine pixel pitch, ultra-thin, high-resolution digital LED display. The all-in-one design is the perfect solution for any installation requiring ultra-high resolution. With a aspect ratio of 16:9 and pixel pitch ranging from 1.2 mm to 3.1 mm, configurations of 2K, 4k, and 8K resolution displays can be easily achieved. With an ultra-thin edge thickness of just 29.5 mm, lightweight modules, and an intuitive slim-line mounting system, the

Ultra-thin with integrated controller and standard 16:9 aspect ratio.

Optional power redundancy.

Indoor applications

WP series saves space for demanding environments. The WP series features front service modules for efficient hassle-free maintenance, resulting in minimal screen downtime.

Pixel Pitch	1.2, 1.5, 1.8, 2.3, 2.5, 3.1mm 1.2, 1.5, 1.8 Flip chip
Brightness	600 - 1500nits
Cabinet size (WxHxD)	600x337.5x29.5mm,



WPmk2 SERIES



WPmk2 series is an indoor LED display product that can be applied in conference rooms, retail stores, airport terminals, and other scenes. This product achieves significant energy savings by applying common cathode technology.

Pixel Pitch	1.56mm
Brightness	800nits
Cabinet size (WxHxD)	600x337.5x29.7mm

At the same brightness, it consumes about 58% less power and generates less heat than products without this technology. It also adopts HDR technology, has a brightness of up to 800nits, and has a wide color gamut. When displaying content in superb picture quality, its power consumption is only 58% of that of similar products on the market.

A great energy-efficient display solution, well-designed High-definition screens. Indoor applications.



WT SERIES



The WT series combines the excellent performance of our COB and MiP display technology, and is anti-collision, dust and moisture proof for indoor Micro & Mini fine pixel pitch applications.

The WT series adopts a 16:9 standard display ratio, with a high refresh rate of 3840Hz and outstanding 16-bit grayscale, showing extraordinary color expression. Meanwhile, seamless splicing, and no noticeable visual black seam, giving you an extremely comfortable viewing experience. Moreover, cold screen technology extended the product life and improved the near-screen experience.

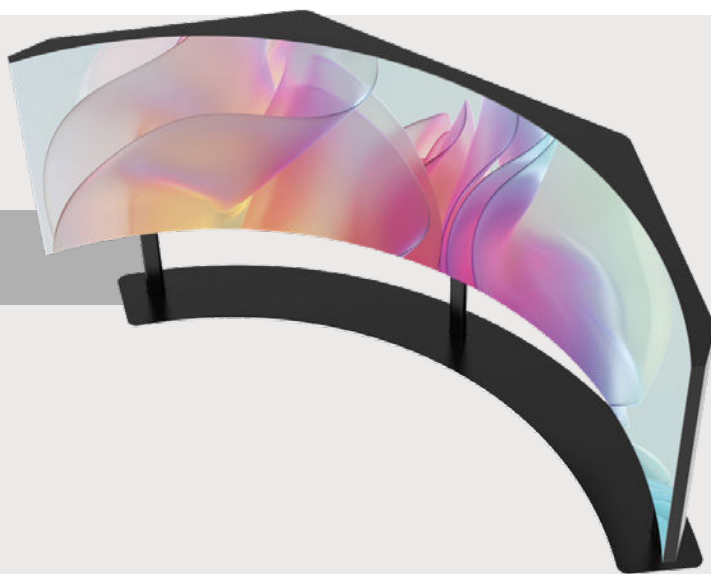
The WT series is the best Micro & Mini-pitch solution for conferences, monitoring, command centers, studios, medical institutions, digital exhibition halls, and other scenes.

A great display solution for indoors, well-designed quality screens. Indoor applications.

Pixel Pitch	0.78, 0.93mm
Brightness	600 - 1000nits
Cabinet size (WxHxD)	600x337.5x29.4mm



WP WRAP SERIES



The WP Wrap series is a 120° curved LED display designed and developed for mission-critical control & command centres. Its curved shape offers a wide viewing angle and sharp content and supports multi-window display.

Its dynamic control system allows multi-level user management for advanced operations and meets strict EMC Class B certification requirements. The WP Arc series is an ideal solution for command centres, monitoring & dispatching centres, and more.

Pixel Pitch	1.2, 1.5, 1.8, 2.3, 2.5, 3.1mm
Brightness	800 - 1500nits
Cabinet size (WxHxD)	600x337.5x29.5mm

120° curved LED display. Compatible with flat WP cabinets.
Indoor applications





China | Spain | Netherlands | USA | UAE | Japan | Malaysia | Singapore | Australia | New Zealand
Indonesia | Colombia | South Korea | Germany | UK

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www.infiled.com

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