

INFILED

Screen your dreams



You dream of inspiring emotions,
we make it happen.

XR&VP

SCREEN YOUR SPACES

Inspiring screens for inspiring stories

xR and VP are revolutionising industries such as filmmaking and broadcasting. These new technologies are going to change the way we create content and tell stories.



Screens and large LED displays, together with the combination of software and hardware solutions, offer tools that build immersive and realistic virtual environments and enhance the creativity of film, commercial and broadcast professionals.

It's INFiLED's aim to collaborate with virtual production professionals to design custom-made xR & VP studios and meet their creative needs in all kinds of fixed and rental applications for broadcasting and filming. INFiLED offers high-end LED display solutions to build immersive and realistic virtual environments.



SCREEN YOUR SPACES

Screens and creativity come together to enhance content

Screens are platforms for telling stories and enhancing the creativity of content creators.

Commercials

Commercial production platforms use top-level production studios to optimise content quality and production efficiency by using virtual production studios to implement creative ideas in a simple way.

Live events

Virtual studio solutions create an immersive live-streaming environment for the host and guests attending live events.

Corporate

Virtual spaces made to create an impact on customers, partners and employees. INFILED xR solutions offer you the best support for your presentations, webinars and product launches

Education

xR technology plays an important role in education. New content can be displayed in a more realistic way to help the audience obtain a better understanding.



TV studio

xR is revolutionising the industry and is opening up creative options for broadcast productions. Virtual studio solutions are the best tools for creating immersive and realistic environments. Performers are surrounded by the actual scene, which encourages a more natural performance.

Turn your studio into an immersive experience

INFiLED displays are the best canvas to create inspiring immersive experiences.



Filming

Film productions require realistic image quality on camera. The giant display's high greyscale levels, high refresh rate and high brightness contribute to unparalleled image quality on and off-camera. Ultra-black masking materials and exclusive black LEDs are used for a new level of contrast.

Virtual studio solutions help with post-production, and on-scene adaptation flexibility reduces post-production time. Natural scene lighting created by the LED screens reduces post-production work.

HUMAN CENTRIC SCREENS

Make it real

At INFiLED we use technology for content creators to create all kinds of environments and improve the way stories are told.

Immersive experiences

The replacement of traditional greenscreens creates a new paradigm for broadcasters and filmmakers, who are gradually adopting this new technology to create realistic, immersive environments. Virtual real-time engines generate the virtual scenes on the LED display that can be modified on-site in real-time. Performers are surrounded by the actual scene, which encourages a more natural performance.

High visual performance

The combination of LED backgrounds, ceilings and floors allows the set to be customised, offering great flexibility and ease of assembly in both fixed and rented installations. All INFiLED solutions offer the highest performance in the visual reproduction of content and are the ideal support for live and recorded productions.





Flexibility

INFiLED's LED Display Modular System for xR & VP offers a new way of designing stages and film studios, enabling creative freedom. INFiLED displays can be adapted to the specific needs of each production, format, dimensions and technical specifications. Pre-production and on-scene adaptation flexibility reduces post-production time.

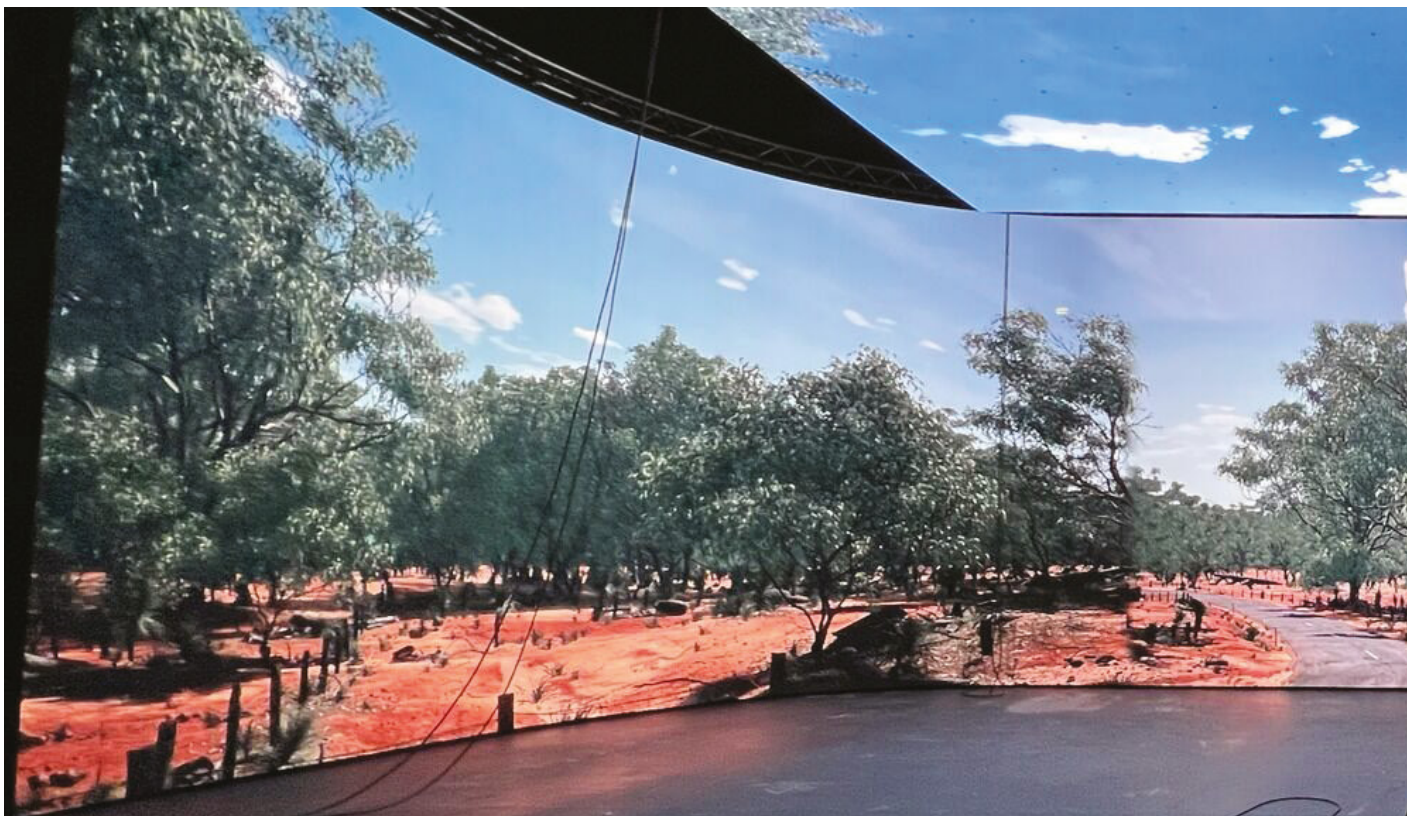
Sustainability

Virtual solution studios lower environmental impact by reducing travel time in productions. Aware of the need for sustainable development, INFiLED works on more energy-efficient solutions. Excellent thermal management of all the electronic components of the display allows faster heat dissipation and saves energy, extending its service life.

CUSTOMIZED DISPLAY SOLUTIONS

If you can dream it, you can display it

INFiLED solutions can be adapted to create custom-made stages to build up the optimum composition for all kinds of virtual production studios, offering high-performance visuals.



Visual accuracy

Virtual Studio Solution offers outstanding color reproduction and excellent visual performance with a high refresh rate.

Modular systems

Modular compositions can be adapted to the specific needs of each production.

Flat and Curved Backgrounds

The new curved LED Virtual Background improves viewer experience and shortens post-production time entailing an extra cost in filming and broadcast solutions.

ArmorLED technology

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

ColdLED technology

This innovative technology is designed to address the heat-related challenges commonly associated with LED screens.



CBSF technology

INFiLED's new CBSF technology improves the color accuracy, brightness, avoiding color shifts.

Infinite Colors

INFiLED's latest technology, offering an extended color spectrum in LED display solutions.

Energy saving

The updated generation of the series features lower power consumption, adding to INFiLEDs continuous commitment to sustainability.



INFILED

Screen your dreams



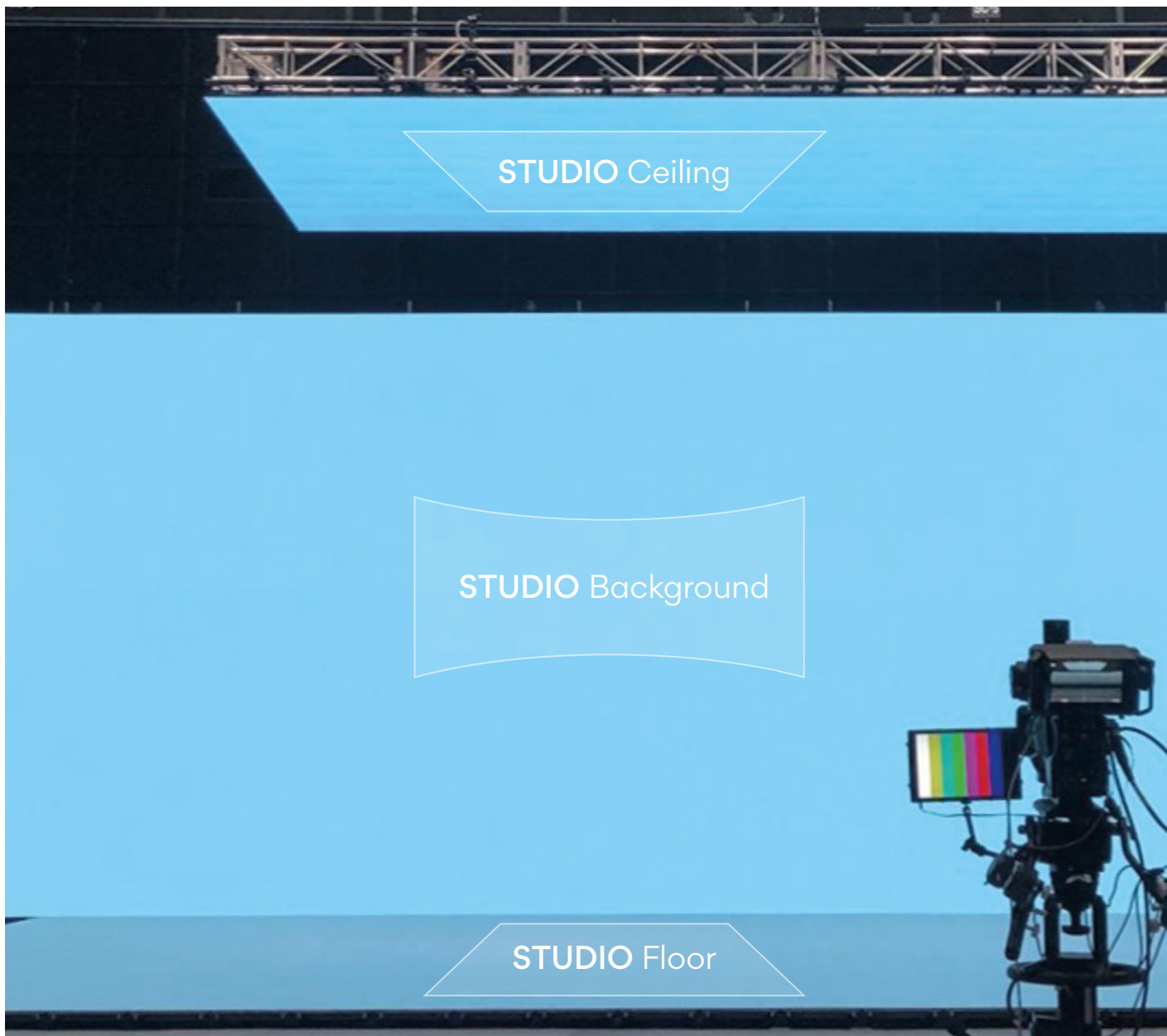
STUDIO

SERIES

STUDIO SERIES

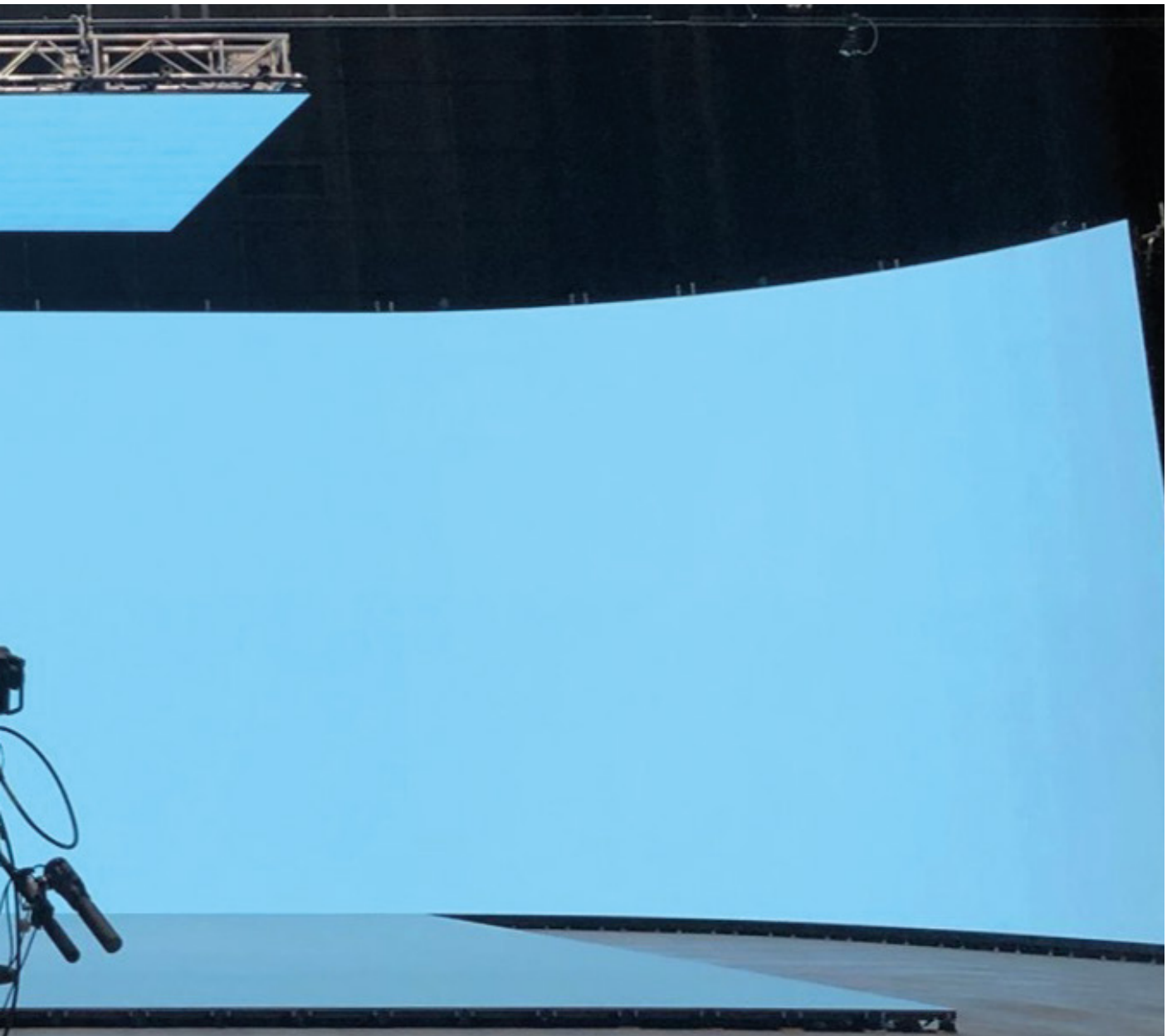
The system to create tailor-made stages

A new way of designing stages and film studios, enabling creative freedom. STUDIO Series is an outstanding xR & VP display solution for a wide array of applications in all kinds of areas and environments.



INFiLED STUDIO Series can be adapted to create custom-made stages to build up the optimum composition for all kinds of virtual production studios, offering high-performance visuals.

The display modular system can be adapted to the specific needs of each production, their formats, dimensions, and technical specifications.

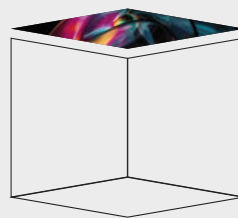


STUDIO SERIES

Create your set with INFiLED's STUDIO modular system

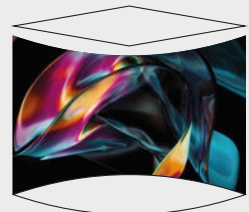
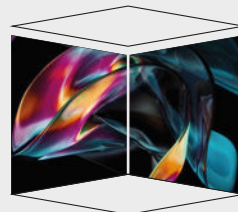
STUDIO Ceiling

Ultra-lightweight, high-brightness LED displays using customised black frame LED's. The STUDIO Ceiling series offers a wide range of accessories, such as truss brackets and stacking pedestals. An enhanced solution for dynamic lighting and video.



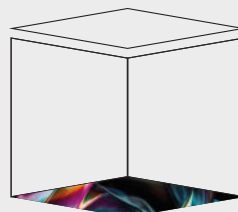
STUDIO Background

STUDIO Background offers a variety of LED displays with high contrast performance and unparalleled image quality for a cinematic look. With the possibility to create a curved setup to better reproduce a realistic scene with technologies that can be assembled into smooth curve screens of different curvatures that can perfectly fulfill creative designs.



STUDIO Floor

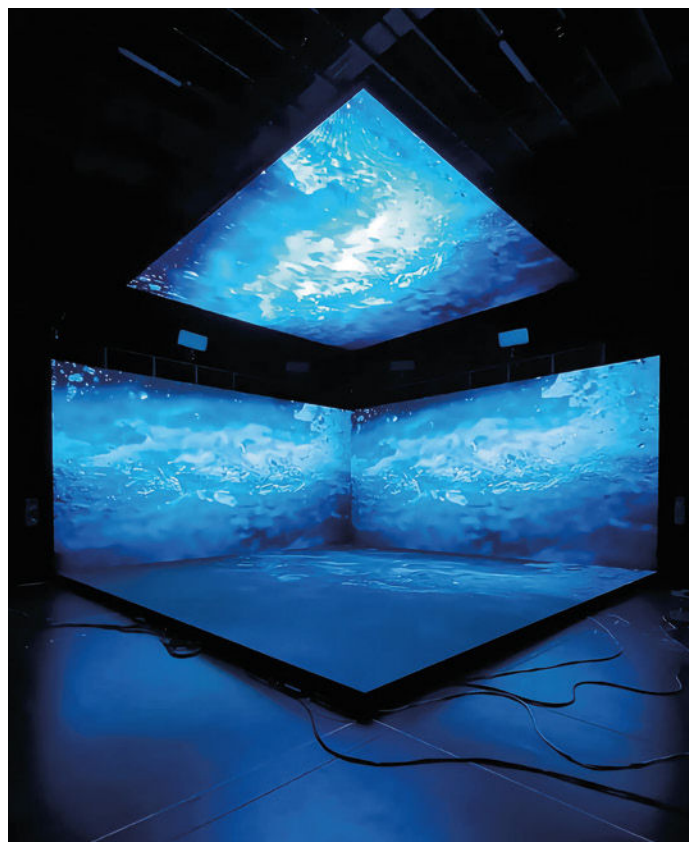
STUDIO Floor solution is designed with high load-bearing, quick disassembly, and increased cabinet protection. The anti-reflective and anti-slip surface provides perfectly uniform blacks and great visual performance under any light condition and at wide viewing angles.



STUDIO+ / STUDIO

From small sets to large stages, STUDIO+ and STUDIO series provide high contrast, high brightness, high colour accuracy and ultra-black antireflective surface.

STUDIO+ series brings higher refresh rates and low scan rates and is available with different processors.



Applications

Outstanding xR & VP display solutions for a wide array of applications in all different areas and environments.

STUDIO+

Film production Virtual production
Broadcast Commercials

STUDIO

Social media videos Corporate Product launch
Live events Music videos Broadcast Commercials

STUDIO SERIES

Product range

	STUDIO Ceiling	STUDIO Background	
Key features	STUDIO AR Series 	STUDIO DB & DBmk2 Series 	
STUDIO+	STUDIO+ AR Low Scan rate from 1:7 Refresh rate from 7680Hz Pixel Pitch 3.9, 5.9mm Brightness 5000 nits Cabinet size: 500x1000x33mm Lightweight ceiling	STUDIO+ AR Infinite Colors Low Scan rate from 1:7 High Refresh rate from 3840Hz Pixel Pitch 5.9mm Brightness 8000 nits Cabinet size: 500x1000x77mm Infinite Colors RGBW Lightweight ceiling	STUDIO+ DB & DBmk2 Low Scan rate from 1:8 to 1:16 Refresh rate from 3840 to 7680Hz Pixel Pitch 1.5, 1.9, 2.6, 2.8mm Brightness 1200-2000 nits Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast CBSF tech STUDIO DB 1.5 and 1.9
STUDIO	STUDIO AR Scan rate from 1:7 Refresh rate from 7680Hz Pixel Pitch 3.9, 5.9mm Brightness 5000 nits Cabinet size 500x1000x33mm Lightweight ceiling	STUDIO DB & DBmk2 Scan rate from 1:8 to 1:16 Refresh rate from 3840 to 7680Hz Pixel Pitch 2.6mm Brightness 1400 nits Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast	

STUDIO Floor

STUDIO Xmk2 Series



STUDIO DFmk2 Series



STUDIO+ Xmk2

Low Scan rate from 1:8
Refresh rate from 7680 Hz
Pixel Pitch 1.5, 1.9, 2.6mm
Brightness 1200-2000 nits
Cabinet size 500x500x75.5mm
Ultra-black LEDs for high contrast
Seamless concave & convex curve
CBSF tech STUDIO Xmk2 1.5 and 1.9

STUDIO+ DFmk2

Low Scan rate from 1:8
High Refresh rate from 7680 Hz
Pixel Pitch 2.6, 3.9mm
Brightness 1500 nits
Cabinet size: 500x500x83.3mm

STUDIO Xmk2

Scan rate from 1:8
Refresh rate from 7680Hz
Pixel Pitch 2.6mm
Brightness 1200 nits
Cabinet size 500x500x75.5mm
Ultra-black LEDs for high contrast
Seamless concave & convex curve

STUDIO DFmk2

Scan rate from 1:8 - 1:16
Refresh rate from 3840Hz - 7680Hz
Pixel Pitch 3.9mm
Brightness 1200 nits
Cabinet size 500x500x83.3mm

STUDIO SERIES

Seamless curve

New technology innovation

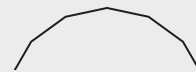
INFiLED's new background technology is the first flat and curved virtual studio solution in the market using panels allowing a smooth seamless curve.

STUDIO Series new seamless curved solution solves shadow issues that flat-panel curves create.

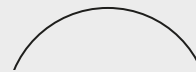


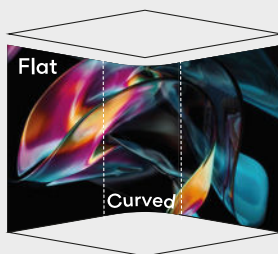
The new solution combines seamless curved and flat cabinets to create a xR and Virtual Production solution that improves on and off-camera visuals. The product offers a seamless curve due to its curved modules.

Curved screen created with flat panels



Seamless curve





Flat + Curved Background STUDIO DB & DBmk2 + STUDIO Xmk2

The new curved LED Virtual Background improves viewer experience and shortens post-production time entailing an extra cost in filming and broadcast solutions.

The use of a seamless curve reduces post- production time and cost.

When the curve is made with flat panels, the color difference is often visible the camera. It takes a lot of time to adjust this in post-production. With the seamless curved INFILED curved STUDIO Series Solution this is not needed.

STUDIO SERIES

CBSF

New technology innovation

CBSF technology enhances the performance improving the brightness, color accuracy, avoiding color shifts and gives more reliability.



Take the advantages of the new CBSF Technology:

KEY FEATURES



High
intensity



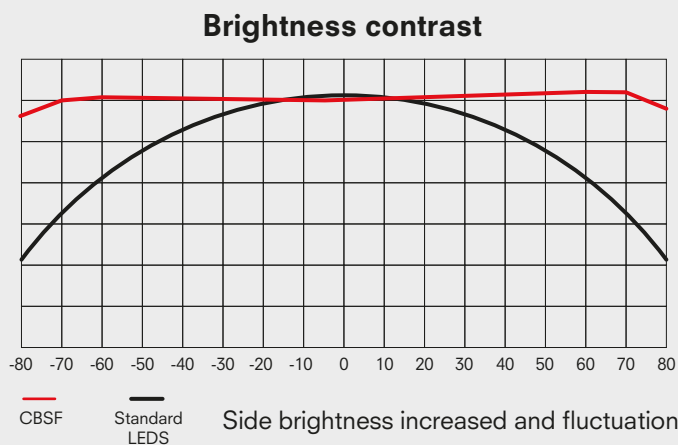
Wide viewing
angle



High
consistency

BRIGHTNESS CONSISTENCY AT ALL VIEWING ANGLES

The new LED package provides consistent brightness, ensuring the shooting maintains the same effect from all angles.



Side brightness increased and fluctuation rate reduced up to 75% vs standard LED.

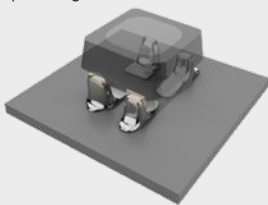
CBSF technology has been created to address the brightness and color inconsistency in standard LEDs, offering a new LED package that improves high-performance visuals for all kinds of virtual production sets. CBSF technology is included in STUDIO DB 1.95 and STUDIO Xmk2 1.95



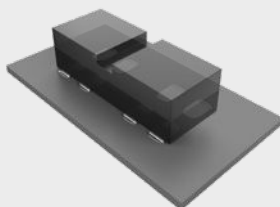
SOLDERING STABILITY

The durability and stability of LEDs is significantly improved.

4-pin design

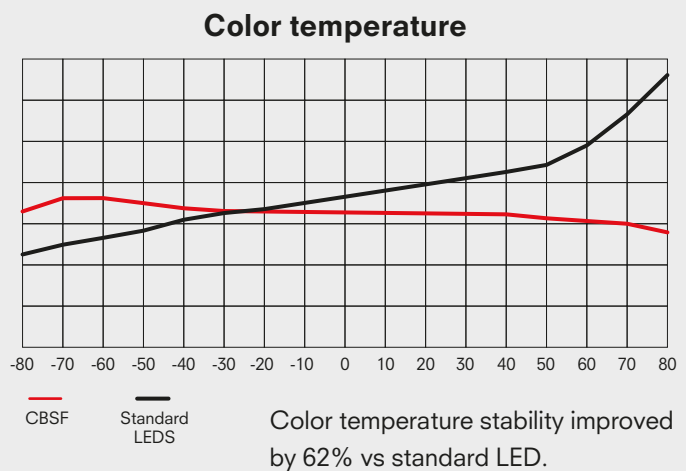


8-pin design of M2



COLOR STABILITY AT ALL VIEWING ANGLES

CBSF technology improves and minimizes color shift phenomenon and ensures stability of color temperature at large angles.



STUDIO SERIES

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.

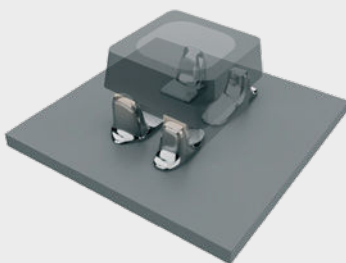
This advanced technology provides 3-5 times the thrust of standard LEDs, significantly reducing the risk of damage during operation, installation, and transportation. As a result,

M2/M4 8-pin Design LEDs:

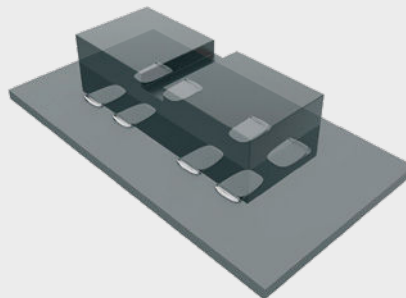
Doubling the Strength

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:

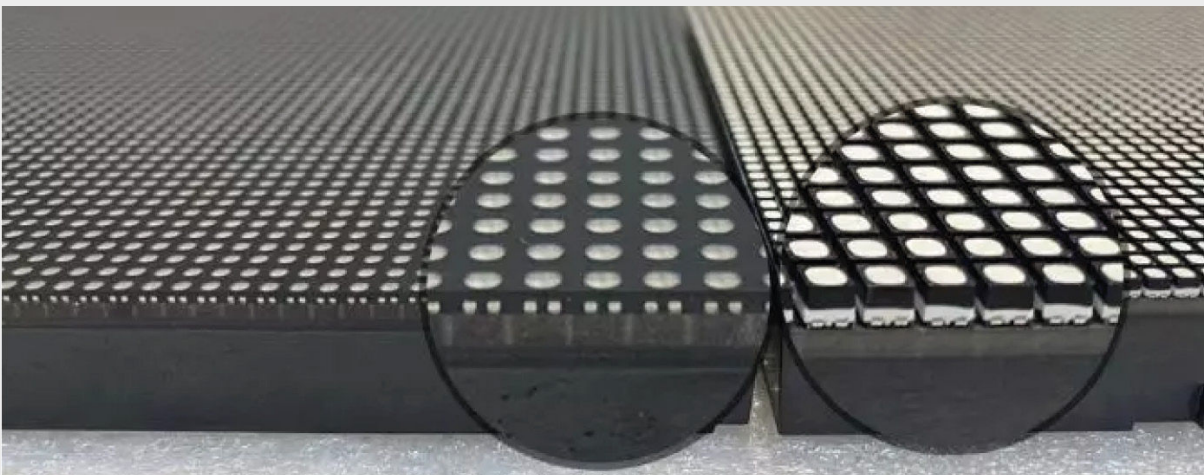
Enhanced Soldering Connections

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.



STUDIO SERIES

Showcase your world in infinite ways

Outstanding xR & VP display solutions for a wide array of applications in all kinds of areas and environments.

STUDIO DB SERIES



Designed with an ultra-black masking material and exclusive black LEDs to produce a high level of contrast for LED screens. With high greyscale levels, a fast refresh rate and the highest quality components, the STUDIO DBmk2 series provides the ultimate LED screen picture quality.

Designed with an emphasis on ergonomics and usability. The panels are of a modular design built around a robust die-cast aluminium frame, with inbuilt feet and edge protectors to prevent physical damage during assembly.

The STUDIO DBmk2 series comes equipped with a fast-locking system, a curving system

allowing both convex and concave configurations to better reproduce a realistic scene and cable-free power and data connection (optional) for ultimate clutter-free installations.

Compatible with STUDIO Xmk2 series to provide a smooth seamless curve.

Pixel Pitch	1.9, 2.6, 2.8mm
Brightness	1000 - 2000nits
Cabinet size (WxHxD)	500x500x75.5mm

STUDIO+ DB
Low Scan rate from 1:8
Refresh rate from 7680Hz

STUDIO DB
Scan rate from 1:16
Refresh rate from 3840Hz



STUDIO
DBmk2 SERIES



STUDIO
Xmk2 SERIES



reddot design award
2023 In-House Product
Design for Xmk2



DBmk2 VSS version, a fine-pixel-pitch LED display series designed for XR/VP, film, and television shooting. This series applies M2 LEDs and features a high contrast ratio, showing lifelike picture motions, and providing a comfortable viewing experience. The standard DBmk2 VSS offers options for pixel pitches of 1.9M2 and 1.56MT2. When it comes to color range, it covers over 86% of BT2020 and can display 97% of the DCI-P3 color space. Moreover, this LED display effectively minimizes undesirable reflections from its surface, resulting in optimal visual effects for XR and VP applications

Compatible with STUDIO Xmk2 series to provide a smooth seamless curve.

CBSF technology in some products.

Pixel Pitch	1.56, 1.9, 2.6mm
Brightness	1200 - 1500nits
Cabinet size (WxHxD)	500x500x75.5mm

STUDIO & STUDIO+ DBmk2

Low Scan rate from 1:8
Refresh rate from 7680Hz

It provides a seamless curved LED background that improves viewer experience and shortens post-production time that entails an extra cost.

INFiLED's new background technology is the first flat and curved virtual studio solution in the market using panels allowing a smooth seamless curve and wide viewing angles. With a curve angle that can reach up to $\pm 30^\circ$, concave and convex and 7 position adjustment gears.

The STUDIO Xmk2 series combines innovative design and patented modules, making it possible to replace the control unit without tools for easy use and maintenance.

Compatible with STUDIO DB and DBmk2 series to provide a smooth seamless curve.

Pixel Pitch	1.5, 1.9, 2.6mm
Brightness	1200 - 2000nits
Cabinet size (WxHxD)	500x500x75.5mm

STUDIO & STUDIO+ Xmk2

Low Scan rate from 1:8
Refresh rate from 7680Hz

STUDIO SERIES

**INFINITE
COLORS**

**STUDIO
AR SERIES**



**STUDIO
DFmk2 SERIES**



Ultra-lightweight, high brightness LED panels using customised black frame LEDs for any xR or Virtual ceiling applications. The ideal solution for dynamic lighting and video. Cabinets come in both front and rear servicing options.

The universal module makes it easy to store and replace; the separate power and data unit can be replaced easily with no tools required.

Offers a wide range of accessories, such as truss brackets, stacking pedestal and set cart, designed to minimise the setup time. The climbing handles can be added for easy access and maintenance during large-scale applications.

INFINITE COLORS technology in some products.

Pixel Pitch	3.9, 5.9mm
Brightness	5000 - 8000 nits
Cabinet size (WxHxD)	500x1000x33mm 500x1000x77mm

STUDIO+ AR

Low Scan rate from 1:7
High Refresh rate from 7680Hz

STUDIO AR

Scan rate from 1:7
Refresh rate from 7680Hz

Great solution for flooring any xR or Virtual production studio setup.

This serie is a digital floor solution with high load-bearing capacity, quick disassembly and increased cabinet protection.

The anti-reflective and anti-slip surface provides perfectly uniform blacks and great visual performance under any light condition and at wide viewing angles. The cabinets come flat and require a simple adjustment of the height of the feet to create a straight digital interactive dance floor even on rough and uneven surfaces.

Allows to carry up to 1500kg/m2.

The DFII series features a lightweight design, fast disassembly and easy maintenance.

Pixel Pitch	2.6, 3.9mm
Brightness	1200 - 1500nits
Cabinet size (WxHxD)	500x500x83.3mm

STUDIO+ DFmk2

Low Scan rate from 1:8
High Refresh rate from 7680Hz

STUDIO DFmk2

Scan rate from 1:8 - 1:16
Refresh rate from 3840Hz - 7680Hz

Broadcast complementary 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 an 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 WP series saves space for demanding environments.

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

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

Optional power redundancy.

Indoor applications.

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

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. 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 1500nits, and has a wide color gamut. When displaying content in superb picture quality, its power consumption is only 30% of that of similar products on the market.

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

Indoor applications

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



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