

SCREEN YOUR STORY



LED display solutions for xR and virtual production

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.

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.

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.

Easy maintenance

Easy installation, easy set-up and easy operation for a user-friendly professional system.

Infinite Colors-M2 technology

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

Easy saving

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

INFILED

Screen your dreams



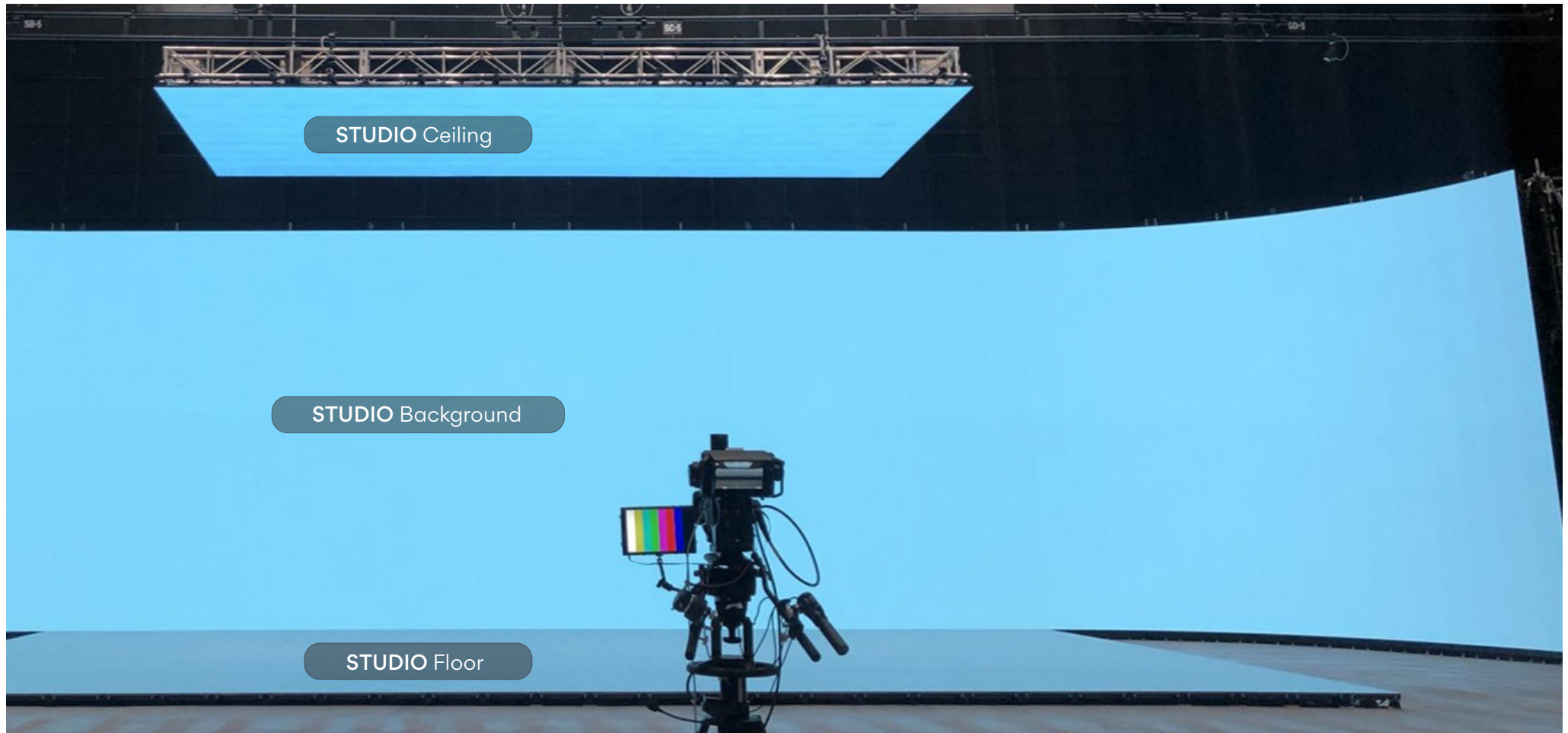
STUDIO
SERIES

The system to create tailor-made stages

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.

A new way of designing stages and film studios, enabling creative freedom.

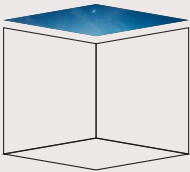


STUDIO SERIES

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.



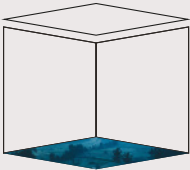
STUDIO Background

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.



Black LED



High Contrast



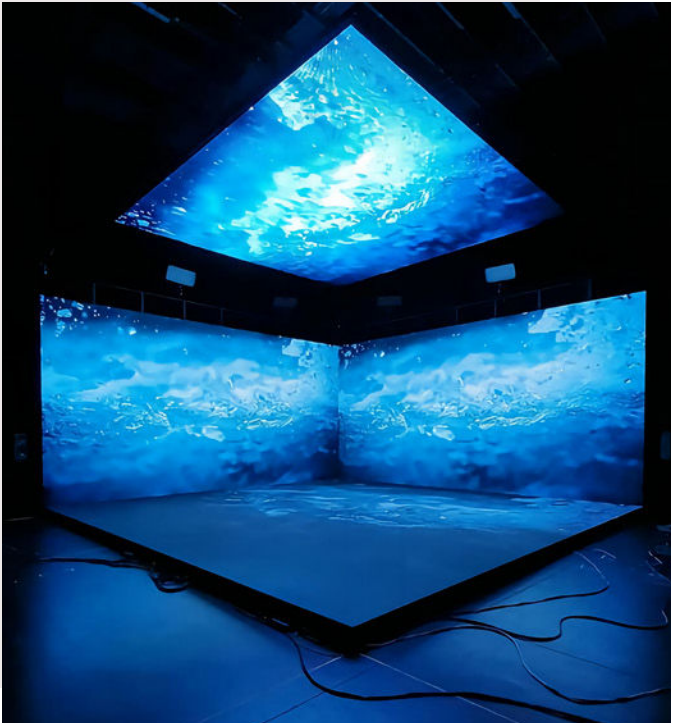
High Brightness



In-camera Color accuracy



Anti-Reflective



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		STUDIO Floor
	STUDIO AR Series		STUDIO DB Series	STUDIO Xmk2 Series	STUDIO DF II Series
					
STUDIO+	STUDIO+ AR Low Scan rate 1:8 High Refresh rate 7680Hz Pixel Pitch 3.9, 5.9mm Brightness 5000 nits Cabinet size: 500x1000x33mm Lightweight ceiling	STUDIO+ AR Infinite Colors Low Scan rate 1:8 High Refresh rate 7680Hz Pixel Pitch 5.9mm Brightness ??? Nits Cabinet size: 500x1000x33mm Infinite Colors RGBW Lightweight ceiling	STUDIO+ DB Low Scan rate 1:8 High Refresh rate 7680 Hz Pixel Pitch 1.9, 2.6mm Brightness 1200-2000 nits Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast M2 tech STUDIO DB 1.9	STUDIO+ Xmk2 Low Scan rate 1:8 High Refresh rate 7680 Hz Pixel Pitch 1.9, 2.6mm Brightness 1200-2000 nits Cabinet size 500x500x75.5m Ultra-black LEDs for high contrast Seamless concave & convex curve M2 tech STUDIO Xmk2 1.9	STUDIO+ DFII Low Scan rate 1:8 High Refresh rate 7680 Hz Pixel Pitch 2.6, 3.9mm Brightness xxx-1500 nits Cabinet size: 500x500x83.3mm Lightweight dance floor.
STUDIO	STUDIO AR Scan rate 1:16 Refresh rate 3840 Hz Pixel Pitch 3.9, 5.9mm Brightness 5000 nits Cabinet size 500x1000x33mm Lightweight ceiling		STUDIO DB Scan rate 1:16 Refresh rate 3840 Hz Pixel Pitch 1.9, 2.6mm Brightness 1200-2000 nits Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast M2 tech STUDIO DB 1.9	STUDIO Xmk2 Scan rate 1:16 Refresh rate 3840 Hz Pixel Pitch 1.9, 2.6mm Brightness 1200-2000 nits Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast Seamless concave & convex M2 tech STUDIO Xmk2 1.9	STUDIO DFII Scan rate 1:16 Refresh rate 3840 Hz Pixel Pitch 2.6, 3.9mm Brightness xxx-1500 nits Cabinet size 500x500x83.3mm Lightweight dance floor.

STUDIO+ and STUDIO cannot be combined in the same stage

STUDIO SERIES

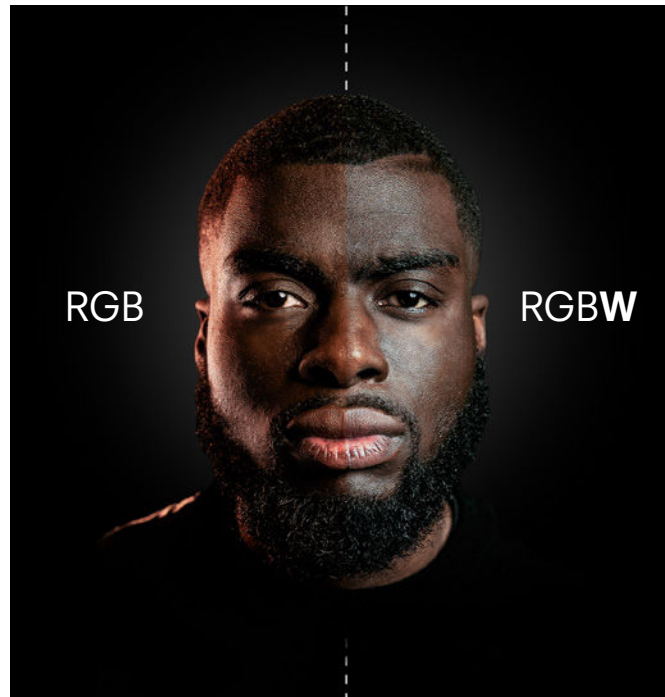
New technology

INFINITE COLORS

The new INFINITE COLORS is INFiLED's latest technology, offering an extended colour spectrum in LED display solutions.

Light color can be customised for every AV production need, delivering fine-tuned high-quality whites to create the perfect lighting for broadcasting, cinema, advertising, live events, and so on. It allows you to craft and recreate any light you desire.

INFINITE COLORS technology has initially been applied to INFiLED STUDIO Ceiling AR Series as a stepping-stone towards a full range of high-performance extended light and



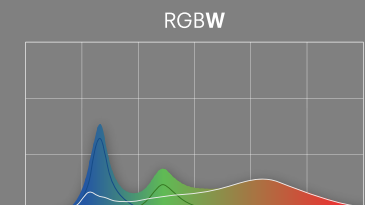
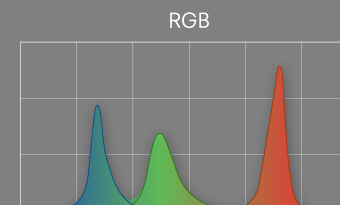
INFINITE COLORS

Video displays, as we know them, have always been RGB-based.

This combination can reproduce most colors, but with many light spectrum limitations, particularly in white light. Integrating an additional color emitter in a video display is an exceedingly complex process, as each pixel color needs to be measured at the full-color spectrum to recalculate in real time what the additional emitter needs to display.

Today, INFiLED's INFINITE COLORS technology, along with the cutting-edge solutions from Brompton Technology such as True Light with G1 receiver card, paves a new path for the future of AV productions. It combines the best lighting canvas with the best engine for a unique experience that brings an unprecedented extended colour spectrum, all in one display solution package.

INFINITE COLORS enhances a variety of applications by controlling full variations in tone, saturation, and color appearance of the screen in white light and custom colors. We can improve color and texture reproduction and achieve a higher Color Rendering Index (CRI). Especially, human facial tones appear more natural when illuminated by an Infinite Colors video display.



New technology

Seamless Curve

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

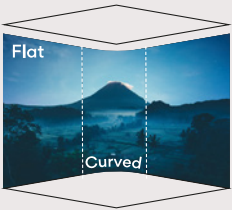
The new solution combines seamless curved and flat cabinets to create a xR and Virtual Production solution that improves on and off-camera visuals. The product offers a seamless curve due to its curved modules.

INFiLED’s new seamless curved solution solves shadow issues that flat-panel curves create.



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 Virtual Studio Solution this is not needed.



Flat + Curved Background
STUDIO DB + 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.

Curved sreen created with flat panels	Seamless curve

The new combination of the curved STUDIO Xmk2 and flat STUDIO DB panels makes the curved solution more competitive.

STUDIO SERIES

New technology

M2

INFiLED has developed an unique M2 technology, a 2in1 LED package for STUDIO DB and STUDIO Xmk2

M2 is included in STUDIO DB 1.95 and STUDIO Xmk2 1.95

INFiLED’s new M2 technology improves the background performance improving the color accuracy, avoiding color shifts, more robustness, and cost efficiency.

DB M2	
	
STUDIO+ DB Low Scan rate 1:8 High Refresh rate 7680 Hz Pixel Pitch 1.9, 1 Brightness 1200- Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast M2 tech STUDIO DB 1.9	STUDIO DB Low Scan rate 1:16 High Refresh rate 3840Hz Pixel Pitch 1.9, Brightness 1200- Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast M2 tech STUDIO DB 1.9

Xmk2 M2	
	
STUDIO+ Xmk2 Low Scan rate 1:8 High Refresh rate 7680 Hz Pixel Pitch 1.9, 1 Brightness 1200- Cabinet size 500x500x75.5m Ultra-black LEDs for high contrast Seamless concave & convex curve up to ±30° and 7 position adjustment gears M2 tech STUDIO Xmk2 1.9	STUDIO Xmk2 Scan rate 1:16 Refresh rate 3840 Hz Pixel Pitch 1.9, Brightness 1200- Cabinet size 500x500x75.5mm Ultra-black LEDs for high contrast Seamless concave & convex curve up to ±30° and 7 position adjustment gears. M2 tech STUDIO Xmk2 1.9



M2 is included in STUDIO DB 1.95 and STUDIO Xmk2.

Showcase your world in infinite ways

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



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 DB 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 DB series comes equipped with a fast-locking system for quick locks, 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 M2 technology in some products.

Pixel Pitch	1.9, 2.6mm
Brightness	1.200 - 2.000nits
Cabinet size (WxHxD)	500x500x75.5mm

STUDIO+ DB	STUDIO DB
Low Scan rate 1:8 High Refresh rate 7680Hz	Scan rate 1:16 Refresh rate 3840 Hz

It provides a seamless curved LED Background that improves viewer experience and shortens post-production time that entails an extra cost in filming and broadcast solutions.

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



Pixel Pitch	1.9, 2.6mm
Brightness	1.200 - 2.000nits
Cabinet size (WxHxD)	500x500x75.5mm

adjustment gears. It can be assembled into smooth curve screens of different curvature that can perfectly fulfil creative designs. 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 series M2 technology in some products.

STUDIO+ Xmk2
Low Scan rate 1:8 High Refresh rate 7680Hz

STUDIO Xmk2
Scan rate 1:16 Refresh rate 3840 Hz



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AR 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	5.000nits
Cabinet size (WxHxD)	500x100x33mm

STUDIO+ AR
Low Scan rate 1:8 High Refresh rate 7680Hz

STUDIO AR
Scan rate 1:16 Refresh rate 3840 Hz

DFII SERIES



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

The DFII series 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	1.500nits
Cabinet size (WxHxD)	500x500x83.3mm

STUDIO+ DFII
Low Scan rate 1:8 High Refresh rate 7680Hz

STUDIO DFII
Scan rate 1:16 Refresh rate 3840 Hz