

**DB2** SERIES

**VUEPIX**  
INFILED



# **DB2** SERIES

OPTIMISED FOR VIRTUAL & xR ENVIRONMENTS

# DB2 Series

## Optimised for Virtual & xR Environments

The VuePix Infiled DB2 series is a redefined version of the popular DB series. Designed specifically for fine pixel pitch rental applications and optimised for virtual & xR environments, the DB2 series screens deliver superb visual performance and ultimate image quality for camera.

The new DB2 series panels are available in three fine pixel pitches, 1.5mm, 1.9mm and 2.6mm. Utilising the ultra-black masking material and exclusive black LEDs, with high greyscale levels, and fast refresh rate.

The DB2 Virtual Studio series feature the latest CBSF technology, enabling accurate colour reproduction by eliminating colour shifts and uneven brightness, and producing more uniform and softer display, resulting in perfect visual performance for professional camera systems.

The curving system within the DB2 series panels have been redefined, allowing for an easy and fast setup of curved displays, in both convex and concave configurations. Featuring the same modular designs with an emphasis on ergonomics and usability, the DB2 series panels come equipped with a fast multi-angle locking system, inbuilt feet and edge protectors, preventing physical damage during transport and handling.

The DB2 series panels also offer cable free power and data connection (optional) for ultimate clutter free installations.



Pixel Pitch	Indoor: 1.5, 1.9, 2.6mm
Brightness	1000 - 1500nits
Cabinet size	500W x 500H x75.5D mm



Consistent Brightness



Energy Efficient



High refresh rate



Accurate colour

# DESIGNED FOR ULTIMATE IMAGE QUALITY

## Exclusive Black LEDs

VuePix Infiled DB2 Series utilizes the smallest exclusive black LEDs with high luminous intensity & wide colour gamut.

## Ultra Black Frame & Mask

Designed specifically for fine pixel pitch applications, the DB2 series uses a full black frame and ultra-black masking materials.

The exclusive materials and components allow for a new level of contrast, ultimate image quality & picture depth.



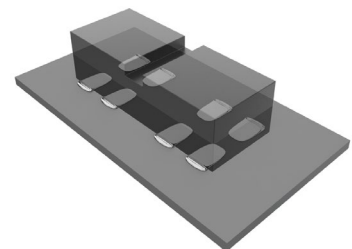
## High Contrast and Anti-glare

To achieve better anti-glare performance, M2 utilizes a unique surface treatment process. The treatment process effectively addresses reflection issues due to the inconsistent LED surface. This produces a more uniform and softer display, resulting in perfect visual performance.

## Armored Technology

M2 is a chip-type package with double the number of pins compared to conventional LEDs, which improves the durability and stability of the LEDs. The incorporation of an 8-pin design and an increased soldering area by 2.5 times, strengthens the LED from shearing forces, by four times.

The design significantly improves the LEDs' stability and shields them against external chemical contamination.



## Cold LED Technology

The Cold LED technology has obtained a significant improvement in the energy-saving performance of LED displays. It has exhibited a remarkable reduction in power consumption by 30%, and a significant reduction in screen temperature, compared to conventional products, all while maintaining an equivalent level of brightness.

\*Cold LED technology is available for 1.5mm and 1.9mm pixel pitch.



## REDEFINED CURVING

The new advanced quick lock system ensures precise alignment.

The in-built adaptors allows for both concave and convex curving configurations. (-5° ~ +5°)



## ADVANCED PROTECTIVE SYSTEM

### Edge protectors

provide protection of LEDs against physical damage during transport & handling.

### Retractable feet

at the bottom of the panel keep the LEDs protected from scratching any surface underneath the panel.

## EASY MAINTENANCE

The DB2 series panels feature separate and exchangeable power & control modules for easy and quick maintenance. Front service access is possible for applications where access from the rear is restricted.



## OPTIONS AND CUSTOMISATION

### Cabled or cable free connection

All models of the DB2 series can come in the cable free or cabled version. The Cable free version uses an integrated connector to provide power and data to the cabinets through the spine of the screen from the header or footer bar. The cabled version uses traditional link cables for power and data in between the cabinets.

### Virtual Studio Series

Upgrade to our Virtual Studio series with Brompton processing technology, offering the ultimate image quality captured on the camera.

## DB2 ULTRA SPECIFICATIONS

	DB2 Indoor Ultra P1.5	DB2 Indoor Ultra P1.9	DB2 Indoor Ultra P2
<b>Series</b>	DB2 Ultra	DB2 Ultra	DB2 Ultra
<b>Pixel Pitch</b>	1.56 mm	1.95 mm	2.6 mm
<b>Environment</b>	Indoor	Indoor	Indoor
<b>LED Configuration</b>	IMD 2 in 1	IMD 2 in 1	IMD 2 in 1
<b>Max. Brightness</b>	1200 nits	1000 nits	1200 nits
<b>Refresh Rate</b>	≤7,680 Hz	≤7,680 Hz	≤7,680 Hz
<b>Viewing Angle</b>	160°/160°	160°/160°	160°/160°
<b>Cabinet Resolution</b>	320 × 320 pixels	256 × 256 pixels	192 × 192 pixels
<b>Cabinet Width</b>	500 mm	500 mm	500 mm
<b>Cabinet Height</b>	500 mm	500 mm	500 mm
<b>Cabinet Depth</b>	75.5 mm	75.5 mm	75.5 mm
<b>Cabinet Weight</b>	8.4 kg	7.8 kg	7.8 kg
<b>Max. Power Consumption</b>	560 W /m <sup>2</sup> , 140 W /panel	560 W /m <sup>2</sup> , 140 W /panel	600 W /m <sup>2</sup> , 150 W /panel
<b>Aver. Power Consumption</b>	184 W /m <sup>2</sup> , 46 W /panel	184 W /m <sup>2</sup> , 46 W /panel	200 W /m <sup>2</sup> , 50 W /panel
<b>Curving</b>	-5° ~ +5°	-5° ~ +5°	-5° ~ +5°
<b>Operating Power Source</b>	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz
<b>Operating Temperature</b>	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
<b>Ingress Protection</b>	IP30	IP30	IP30
<b>Verification</b>	CE, ETL, FCC, RoHS, Fireproof	CE, ETL, FCC, RoHS, Fireproof	CE, ETL, FCC, RoHS, Fireproof
<b>Application</b>	Install / Rental	Install / Rental	Install / Rental

## RECEIVING CARDS

DB2 Ultra Series utilises the NOVASTAR A10s Pro receiving cards.



## DB2 VIRTUAL STUDIO SERIES

PERFECTLY OPTIMISED FOR VP STUDIOS & XR ENVIRONMENTS

**The DB2 VS series has been crafted to perfection to cater the VP / xR studio environments.**

When it comes to colour range, the DB2 VS displays cover over 86% of BT2020 and can display 97% of the DCI-P3 colour space. Moreover, the DB2 VS displays effectively minimize undesirable re-fection from its surface, resulting in optimal visual effects for XR and VP applications.

- Consistent colour under wide viewing angles, NO colour cast
- High contrast, low re-ectivity, precise colour and brightness management
- 16-bit high grayscale, presenting an unparalleled viewing experience
- High refresh rate, low scan rate, effectively reducing screen artifacts
- Dual-channel common cathode energy-saving drive, dynamic energy saving of up to 30%
- The DB2 cabinets connect seamlessly (with less than 0.1mm plane unevenness)



High refresh rate



Grayscale



High Brightness



Scan rate 1/8



Energy Efficient

## CBSF TECHNOLOGY

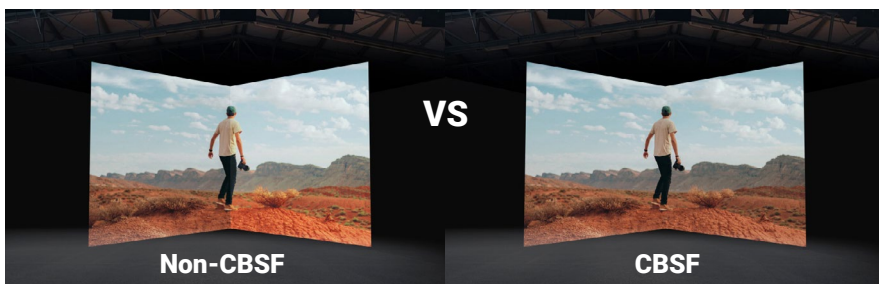
### Colour & Brightness Shift Free Technology

The CBSF technology, powered by the innovative M2 chip, marks a new era for xR/VP markets. It enables accurate colour reproduction, by eliminating colour shifts and uneven brightness, for both vertical and horizontal viewing angles.

To achieve better anti-glare performance, M2 utilizes a unique surface treatment process.

The treatment process effectively addresses reflection issues due to the inconsistent LED surface.

This produces a more uniform and softer display, resulting in perfect visual performance.



## DB2 VIRTUAL STUDIO SPECIFICATIONS

	DB2 VS Indoor P1.5	DB2 VS Indoor P1.9	DB2 VS Indoor P2
<b>Series</b>	DB2 Virtual Studio CBSF	DB2 Virtual Studio CBSF	DB2 Virtual Studio CBSF
<b>Pixel Pitch</b>	1.56 mm	1.95 mm	2.6 mm
<b>Environment</b>	Indoor	Indoor	Indoor
<b>LED Configuration</b>	IMD 2 in 1	IMD 2 in 1	IMD 2 in 1
<b>Max. Brightness</b>	1400 nits	1200 nits	1500 nits
<b>Refresh Rate</b>	≤7,680 Hz	≤7,680 Hz	≤7,680 Hz
<b>Viewing Angle</b>	160°/160°	160°/160°	160°/160°
<b>Cabinet Resolution</b>	320 × 320 pixels	256 × 256 pixels	192 × 192 pixels
<b>Cabinet Width</b>	500 mm	500 mm	500 mm
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<b>Operating Temperature</b>	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
<b>Ingress Protection</b>	IP30	IP30	IP30
<b>Verification</b>	CE, ETL, FCC, RoHS, Fireproof	CE, ETL, FCC, RoHS, Fireproof	CE, ETL, FCC, RoHS, Fireproof
<b>Application</b>	Install / Rental	Install / Rental	Install / Rental

## RECEIVING CARDS

DB2 Virtual Studio Series utilises the BROMPTON R2+ receiving cards.



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Contact our VuePix Infiled experts to discuss your next project

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REDEFINING TECHNOLOGY IN EVERY PIXEL