

DB SERIES

VUEPIX
INFILED



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OPTIMISED FOR VIRTUAL & XR ENVIRONMENTS

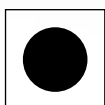
DB Series

Optimised for Virtual & XR Environments

Designed specifically for fine pixel pitch rental applications, the DB Series utilises ultra-black masking material and exclusive black LEDs to produce a new level of contrast for LED screens. With high grayscale levels, a fast refresh rate, and the highest quality components, the DB Series provides the ultimate LED screen picture quality.

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

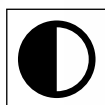
The DB Series comes equipped with a fast locking system for rapid construction, a curving system allowing both convex and concave configurations, and cable free power and data connection (optional) for the ultimate clutter free installations.



Deep
Blacks



Fast
Assembly



High Contrast



High
Grayscale



Lightweight

DESIGNED FOR ULTIMATE IMAGE QUALITY

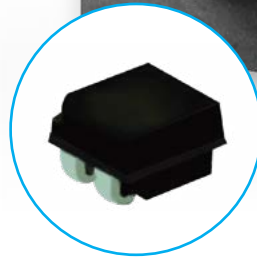
Exclusive black LEDs

VuePix Infiled DB 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 DB 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.



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 DB series panels feature separate and exchangeable power & control modules for easy and quick maintenance.

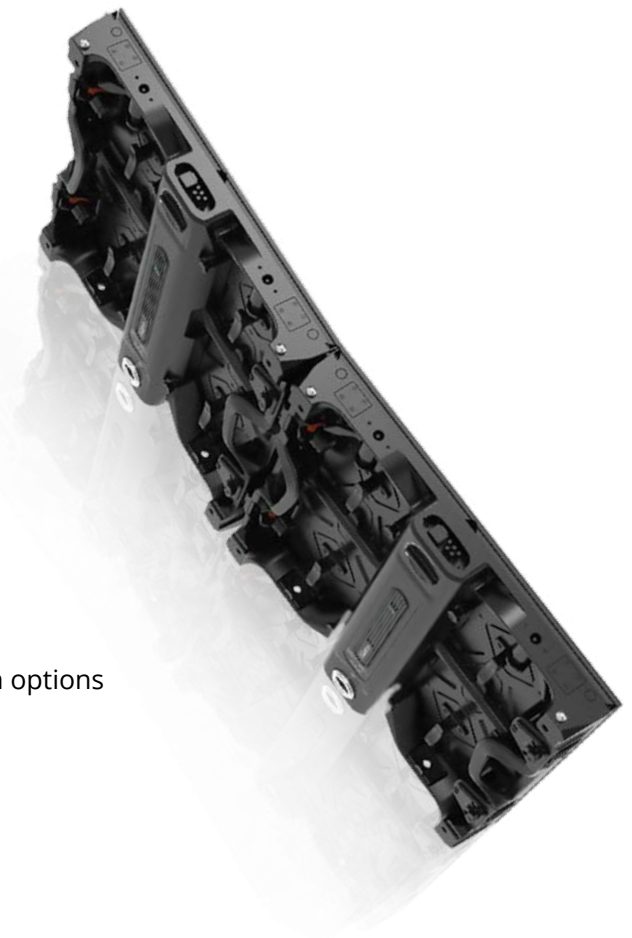
Front service access is possible for applications where access from the rear is restricted.

INBUILT CURVING SYSTEM

Curved displays can be easily achieved thanks to in-built curving system, allowing for both concave and convex shapes with angles of $\pm 5^\circ$ in 3 steps.

COMPREHENSIVE RIGGING SYSTEMS

A full range of accessories and comprehensive rigging system options allow for maximum flexibility.



OPTIONS AND CUSTOMISATION

Cabled or cable free connection

All models of the DB 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.

Pro or Lite version

The DB 1.9, 2.4 & 2.6 panels also offer a LITE or PRO Version. The PRO version uses a superior True Black LEDs to allow for even greater blacks for use in broadcast applications or where a black wall is critical. The PRO version also features a higher grade processing IC and Novastar A8s cards to achieve greater greyscale performance on the screen.

GOB Coating

For greater protection of the LED modules in applications where there could be human contact with the screen, the DB series offer a 'Glue on board' (GOB) coating on the modules to allow for protection of the LED's. This protection is available on the DB 1.9 & 2.6 models only.

Virtual Studio Series

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



THE LED SCREEN THAT LOOKS GREAT ON CAMERA



DB VIRTUAL STUDIO SERIES

Designed specifically for film, broadcast and virtual studio applications

VuePix Infiled partnered up with Brompton to create a special VIRTUAL STUDIO series, designed to deliver an ultimate image quality for camera.

Catering specifically for all fine pixel pitch applications in film, broadcast & virtual studio environments, the Virtual Studio series utilises the latest processing system from Brompton.

Ultra-low SCAN rate ensures a superb performance for professional camera systems. High quality Macroblock driver ICs deliver exceptional refresh rate.

Utilising all the exclusive materials & reliable technology of VuePix Infiled DB panels, the DB Virtual Studio series provides you with a perfect solution for the most demanding environments, where you want the ultimate image quality captured on the camera.



DB SPECIFICATIONS

	DB Pro 1.5	DB Pro Indoor P1.9	DB Lite Indoor P1.9	DB VS Indoor P1.9	DB Pro Indoor P2.3
Series	DB	DB	DB	DB	DB
Version	Pro	Pro	Lite	Virtual Studio	Pro
Pixel Pitch	1.56 mm	1.95 mm	1.95 mm	1.95 mm	2.31 mm
Environment	Indoors	Indoors	Indoors	Indoors	Indoors
LED Configuration	MiniLED 4 in 1	SMD1010	SMD1010	SMD1212	SMD1515 / SMD1415
Max. Brightness	600 nits	800 nits (Pro)	600 nits (Lite)	1,200 nits	1,200 nits (Pro)
Refresh Rate	≤3,840 Hz (Config.)	≤3,840 Hz (Config.)	≤3,840 Hz (Config.)	≤7,680 Hz (Config.)	3,840 Hz (Config.)
Scan Rate	1/32	1/32	1/32	1/8	1/27
Colour Gamut	REC709	REC709	REC709	DCI-P3	REC709
Viewing Angle	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°
Cabinet Resolution	320 × 320 pixels	256 × 256 pixels	256 × 256 pixels	256 × 256 pixels	216 × 216 pixels
Cabinet Width	500 mm	500 mm	500 mm	500 mm	500 mm
Cabinet Height	500 mm	500 mm	500 mm	500 mm	500 mm
Cabinet Depth	75.5 mm	75.5 mm	75.5 mm	75.5 mm	75.5 mm
Cabinet Weight	8.8 kg	8.8 kg	8.8 kg	8.8 kg	8.8 kg
Max. Power Consumption	600 W /m ² , 150 W /panel	600 W /m ² , 150 W /panel	600 W /m ² , 150 W /panel	720 W /m ² , 180 W /panel	600 W /m ² , 150 W /panel
Aver. Power Consumption	200 W /m ² , 50 W /panel	200 W /m ² , 50 W /panel	200 W /m ² , 50 W /panel	240 W /m ² , 60 W /panel	200 W /m ² , 50 W /panel
Curving	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps
Operating Power Source	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz
Operating Temperature	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
Ingress Protection	IP30	IP30	IP30	IP30	IP30
Verification	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS
Application	Install / Rental	Install / Rental	Install / Rental	Install / Rental	Install / Rental

	DB Lite Indoor P2.3	DB VS Indoor P2.3	DB Pro Indoor P2.6	DB Lite Indoor P2.6	DB Virtual Studio 2.6
Series	DB	DB	DB	DB	DB
Version	Lite	Virtual Studio	Pro	Lite	Virtual Studio
Pixel Pitch	2.31 mm	2.31 mm	2.6 mm	2.6 mm	2.6 mm
Environment	Indoors	Indoors	Indoors	Indoors	Indoors
LED Configuration	SMD1515 / SMD1415	SMD1515	SMD1515 / SMD1415	SMD1515 / SMD1415	SMD1515
Max. Brightness	1,000 nits (Lite)	1,800 nits	1,200 nits (Pro)	1,000 nits (Lite)	2,000 nits
Refresh Rate	3,840 Hz (Config.)	≤7,680 Hz (Config.)	3,840 Hz (Config.)	3,840 Hz (Config.)	7,680Hz (Config.)
Scan Rate	1/27	1/6	1/24	1/24	1/8
Colour Gamut	REC709	DCI-P3	REC709	REC709	DCI-P3
Viewing Angle	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°
Cabinet Resolution	216 × 216 pixels	216 × 216 pixels	192 × 192 pixels	192 × 192 pixels	192 × 192pixels
Cabinet Width	500 mm	500 mm	500 mm	500 mm	500 mm
Cabinet Height	500 mm	500 mm	500 mm	500 mm	500 mm
Cabinet Depth	75.5 mm	75.5 mm	75.5 mm	75.5 mm	75.5 mm
Cabinet Weight	8.8 kg	8.8 kg	8.8 kg	8.8 kg	8.8 kg
Max. Power Consumption	600 W /m ² , 150 W /panel	720 W /m ² , 180 W /panel	600 W /m ² , 150 W /panel	600 W /m ² , 150 W /panel	720 W /m ² , 180 W /panel
Aver. Power Consumption	200 W /m ² , 50 W /panel	240 W /m ² , 60 W /panel	200 W /m ² , 50 W /panel	200 W /m ² , 50 W /panel	240 W /m ² , 60 W /panel
Curving	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps
Operating Power Source	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz
Operating Temperature	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
Ingress Protection	IP30	IP30	IP30	IP30	IP30
Verification	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS
Application	Install / Rental	Install / Rental	Install / Rental	Install / Rental	Install / Rental

DB SPECIFICATIONS

	DB Lite Indoor P2.8	DB VS Indoor P2.8	DB Pro Indoor P3	DB Lite Indoor P3
Series	DB	DB	DB	DB
Version	Lite	Virtual Studio	Pro	Lite
Pixel Pitch	2.84 mm	2.84 mm	3.47 mm	3.47 mm
Environment	Indoors	Indoors	Indoors	Indoors
LED Configuration	SMD2020	SMD1515	SMD2020	SMD2020
Max. Brightness	1,200 nits	2,000 nits	1,800 nits (Pro)	1,200 nits (Lite)
Refresh Rate	≤3,840 Hz (Config.)	7,680Hz (Config.)	3,840 Hz (Config.)	3,840 Hz (Config.)
Scan Rate	1/22	1/8	1/9	1/9
Colour Gamut	REC709	DCI-P3	REC709	REC709
Viewing Angle	160°/160°	160°/160°	160°/160°	160°/160°
Cabinet Resolution	176 × 176 pixels	176 × 176 pixels	144 × 144 pixels	144 × 144 pixels
Cabinet Width	500 mm	500 mm	500 mm	500 mm
Cabinet Height	500 mm	500 mm	500 mm	500 mm
Cabinet Depth	75.5 mm	75.5 mm	75.5 mm	75.5 mm
Cabinet Weight	8.8 kg	8.8 kg	8.8 kg	8.8 kg
Max. Power Consumption	600 W /m ² , 150 W /panel	720 W /m ² , 180 W /panel	600 W /m ² , 150 W /panel	600 W /m ² , 150 W /panel
Aver. Power Consumption	200 W /m ² , 50 W /panel	240 W /m ² , 60 W /panel	200 W /m ² , 50 W /panel	200 W /m ² , 50 W /panel
Curving	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps	+5° in 3 steps
Operating Power Source	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz	AC100-240V, 50-60Hz
Operating Temperature	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C	-10°C~+45°C
Ingress Protection	IP30	IP30	IP30	IP30
Verification	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS
Application	Install / Rental	Install / Rental	Install / Rental	Install / Rental



Contact our VuePix Infiled experts to discuss your next project

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REDEFINING TECHNOLOGY IN EVERY PIXEL