DIGIBIRD

DB-EBC2

Hardware Based Edge Blending Solution

WWW.DIGIBIRDTECH.COM

Distribution:
PureLink GmbH

Available from B2B Online Portal oneAV.eu

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Contents

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Introduction

EBC2 is new generation, hardware based edge blending controller, which support flat, wave curved and 3D blending with up to 4k capturing and 1080P @60Hz output.

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Applications

Release Event

Exhibition

Conference

Show

Features

Advanced Blending Technology

Color and brightness adjustment

By adjustment of the color and brightness of each output signal, to eliminate the discrepancy of different projectors.

Default Color Discrepancy

Consistency

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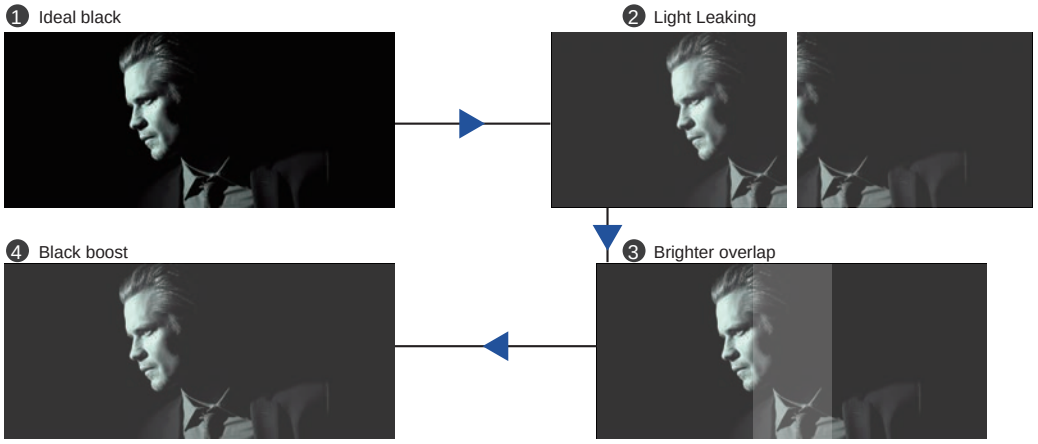
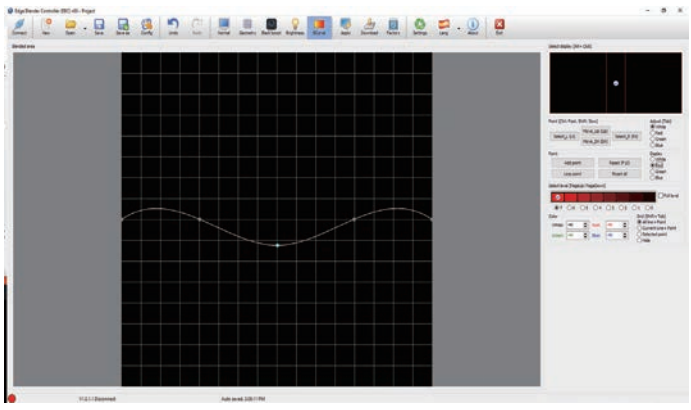
Features

Black Boost

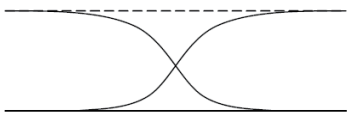


SCurve adjustment

The ‘blend’ is basically an S-shaped curve that is applied to gradually reduce the brightness of the image at the edge.



S-curves for two projectors, with edge blended.



S-curves together to result in full brightness when properly overlapping.

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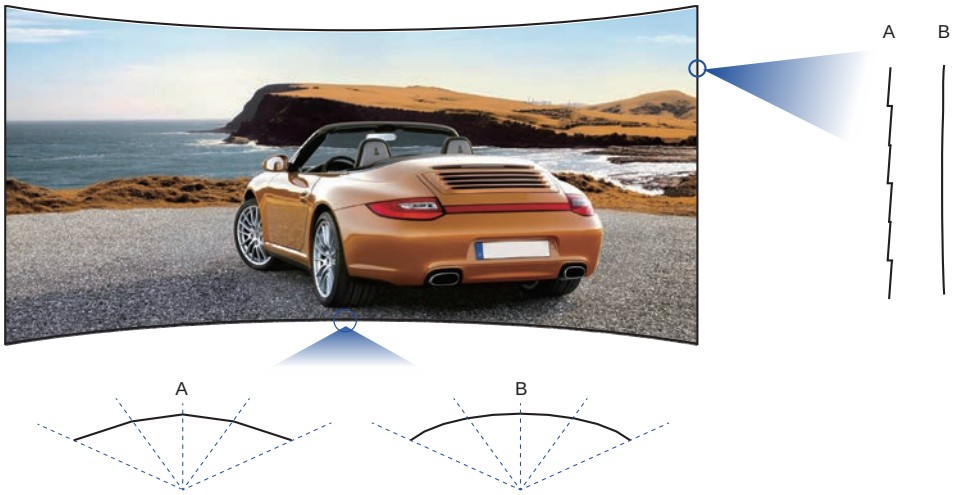
Features

NURBS (Non-Uniform Rational B-Splines)

NURBS enable the smoothly edge transition.

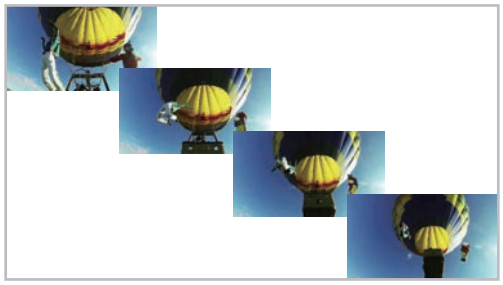


Powerful Processing

Full HD lossless processing

A: Traditional technology is processing the signal on 1080P/30 fps and result in signal loss.

B: DigiBird EBC supports 1080P/60 fps processing without signal loss and free of scratch when playing fast move video.



A: 1080P/30 fps

B: 1080P/60 fps

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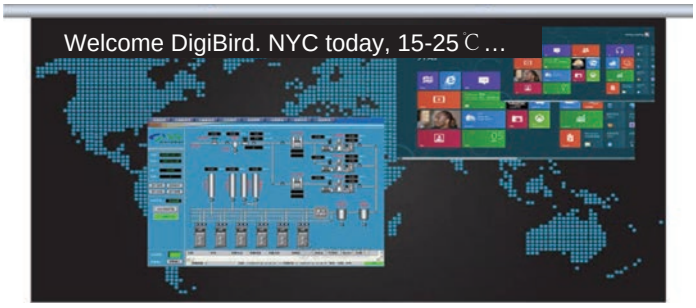
Features

Flexible Display

Up to 4x layers per output, support PIP and arbitrary zooming

Scrolling Text: user defined font, color, background and scrolling speed.

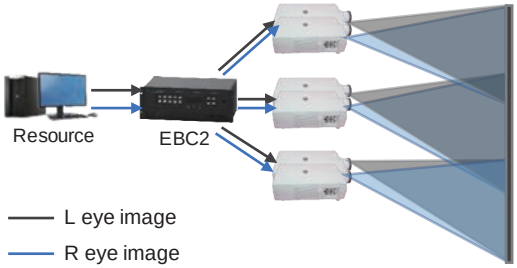


4K UHD capture

Support 4k capturing and customized resolution.

Passive 3D

Supports passive 3D display with polarized glasses.



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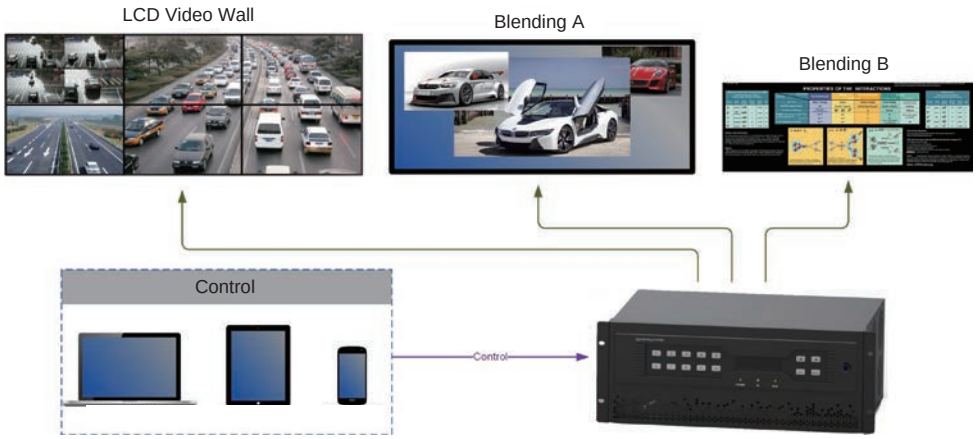
Features

Control Edge Blending and Video Wall Concurrently



Web based control

TCP/IP Control

Web-based, no need software installation

Previewing

Real time preview of input source and all operation.

Blending display

PC control

Tablet/ Smart phone control

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Features

Dual Control Cards

Support Control Card back up.

Remote standby and wakeup

One-Touch Operation to Standby and Wakeup.

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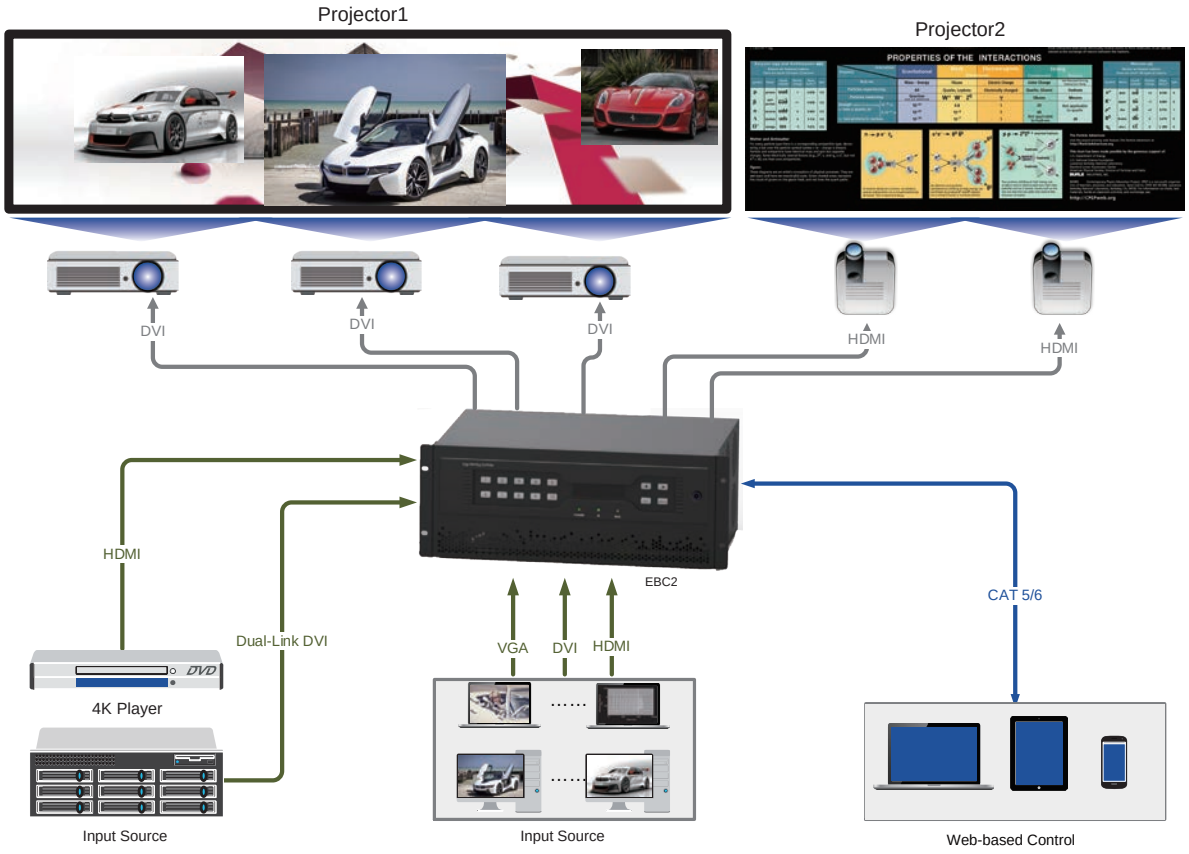
Diagram



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Specification

Chassis					
Size	2U	4U	6U	14U	19U
Inputs	4	32	56	108	148
Outputs	4	6	10	20	40
CMC	1	1	1	1	1
PSU	1	2	2	4	4
Inputs					
DVI(Single Link)			DVI-I	Up to 1920x1200/60Hz	
DVI(Dual Link)			DL-DVI-D	Up to 4088x4088/30Hz	
VGA			RGBHV	Up to 1920x1200/60Hz	
HDMI			HDMI1.3	Up to 1920x1200/60Hz	
4K HDMI			HDMI1.4	Up to 3840x2160/30Hz	
SDI			SD/HD/3G SDI	Up to 1920x1080/60Hz	
CVBS			NTSC/PAL	Up to 720x480/720x576	
YPbPr			YPbPr	Up to 1920x1080/60Hz	
Outputs					
DVI(Single Link)			DVI-I	Up to 1920x1080/60Hz	
HDMI			HDMI1.3	Up to 1920x1080/60Hz	
HDBaseT			RJ45	Up to 1920x1080/60Hz	
PV			RJ45	Preview	

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