

PureLink

digital solutions

Next Generation Video Wall Controllers

Expandable and flexible all-in-one solutions for creative multi-screen alignments





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for creative multi-screen alignments





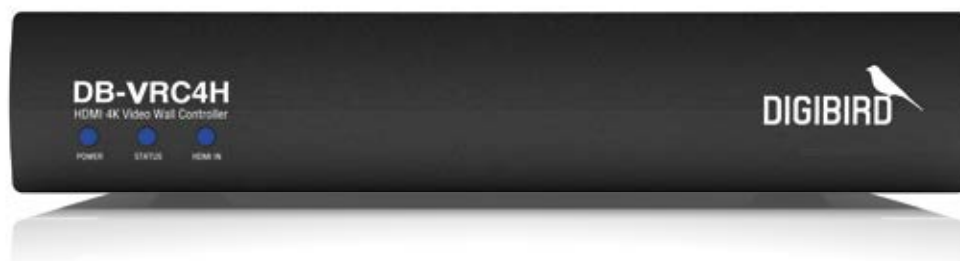
Typical Application

- Convention Centers, Trade Fairs and Events
- Hotels and Casinos
- Stadiums and Arenas
- Visitor attraction
- Shopping Malls, Retail Stores and exhibition spaces
- Food Halls, Restaurants, Bars and Sportbars
- Airports
- Museums

Features:

- Ultra high input resolutions up to 4K / UltraHD / 2160p – Four outputs with up to 1080p / 1920 x 1200
- Each output can be independently rotated by 45°, 90°, 135° 180°, 225°, 270° or 315°
- Multiple units can be cascaded to create videowalls with more than four displays
- Input can be cropped and copied to an output monitor
- Bezel compensation for cross-screen-images
- The displays can be of different sizes / native resolutions in the same system
- Image can be flipped / mirrored horizontally or vertically

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Creative Video Walls

Break the limits of traditional videowall alignments

Videowalls in crowded surroundings like shopping malls, airports, museums, restaurants, sportsbars, hotel lobbies, at trade-fairs and other events shall transport a message most eye-catching and prominent and thus tie the audience to the screen.

Digibird video wall solutions enable an easy to control, individual arrangement with different resolutions and display sizes in the same system and thus grab the attention of customers, passerbys and visitors reliably to your video media.

The controllers feature four output signals that can be rotated individually in 45° steps and thus enable asymmetric and distinctive video walls with output resolutions above UltraHD / 4K.

Functions, like Bezel Compensation, Crop & Zoom and the possibility of cascading multiple controllers enable virtually unlimited possibilities for even bigger and eye-catching video walls.

High performance out of a box – The DB-VRC4 is a multi-faceted stand alone display controller that supports a choice of inputs, high bandwidth loop-through as well as 4 genlocked HDMI-outputs. The intuitive user interface allows users to determine which input is used.

All possibilities...

The final displayed image can be taken from any region of the input image as all of the required cropping, scaling, rotation and frame-rate conversion is handled by the DB-VRC4H hardware. These regions can overlap to allow any output to replicate another or can be configured to support any creative splice of the source material. This allows the support of many non-rectangular screen arrangements, as well as any mix of monitor orientations allowing users to create an almost unlimited multi-monitor canvas. Each output can be independently rotated by 45°, 90°, 135° 180°, 225°, 270° or 315°.



Software & App

Digibirds Control Software and Control app is a multiscreen design tool. It allows users to add displays from the ever expanding database of monitors, visualise their content by adding inputs and adjusting display regions and finally instantly program all devices either via USB or the network ports.

Special Features / USP

- Supports 45° and/or 90° increments rotation of displays
- Single unit controls up to 4 displays of different size and resolution
- Cascade multiple units to build large scale video walls
- Auto bezel compensation
- Horizontal and vertical mirroring/flip
- 1x HDMI 1.4 input port, 4x HDMI 1.3 output ports and 1x loopout port
- Sync I/O port to ensure synchronization
- UltraHD input resolutions up to 3840x 2160 @30Hz
- Output resolution 4x 1920x 1200 @60Hz
- Supports arbitrary cropping
- Flexible EDID management
- Windows XP, Windows 7, Windows 8, and Windows 10 compatible.
- Creative Configurations
- HDCP support on all outputs and inputs
- True stand-alone operation: DB can adapt to changes in input
- Network and USB interfaces allow platform independent control



Rotation: 90° Increments



Rotation: 45° Increments



45° Rotation

The unique 45° option allows a new experience of unique and eye-catching videowall alligments

Bezel Compensation

Always a perfect image without deformation or cuttings

Display Mix

Any size of screen can be combined for outstanding creativity.

Crop + Zoom

Input can be cropped and copied to an output monitor

Cascading

The loop-out allows you to connect further units to create larger videowalls with up to 8 or up to 12 screens

Screen Flip

Image can be flipped / mirrored horizontally or vertically

EDID Management

Advanced EDID management with a variety of presets and rich database of pre-configured displays.

4K Ultra HD

HDMI Input with 4K UltraHD support for brilliant results.



Technical Specifications

DB-VRC4H

Technische Spezifikationen	
Input Connector	1x HDMI Type A, 19-pin, female, locking
Input Format	HDMI 1.4
Input Resolution	Max. 8.000 x 4.000 px
Input Clock Rate	297MHz
Input Bandwidth	8.91Gbps
Input/output Sync	1x RJ45 sync-in, 1x RJ45 sync-out
Output Connectors	4x HDMI Type A, 19-pin, female, locking 1x HDMI Loop Out
Output Format	HDMI 1.3
Loop Out	HDMI Type A, 19-pin, female, locking, HDMI 1.4
Output Resolution	Up to 4088 x 4088 4x WUXGA x 1080p
Output Display Sizes	Different display size for each output channel
LED Indicators	Power, Input, Status
Features	45°, 90°, 135°, 180° 225°, 270° or 315° rotation Unlimited up-scaling for original cropped area EDID management Bezel compensation Cropping Flipping Cascading
Control / Firmware Updates	USB-B connector (USB 2.0)
Control Software	Windows-Based Software, compatible with Microsoft Windows XP, 7, 8 and 10
Hardware	Storage: 64MB Memory: 1GB DDR3
Power	Input: 100-240 VAC, 0.8 Amps Output: 12 VDC, ≤ 2 Amps Consumption: ≤ 24 Watts Power connector female, 12V
Operating Humidity	90% non-condensing
Operating Temperature	0° to 40°C (32° to 104°F)
Dimensions (without rackmount)	44.5mm(H) x 205mm(B) x 213mm(T) (1.75"H x 8.07"W x 8.39"D)
Dimensions (with rackmount)	44.5mm(H) x 252mm(B) x 213mm(T) (1.75"H x 9.92" W x 8.39" D)
Package Dimensions	95mm(H) x 450mm(B) x 310mm(T) (3.74"H x 17.72"W x 12.20"D)
Net Weight	0.95 Kg / 2.09 lbs
Shipping Weight	2.87 kg / 6.33 lbs



DIGIBIRD

distributed by PureLink

PureLink GmbH

Von-Liebig-Straße 10
D - 48432 Rheine
Germany

Telefon: 0049 (0)5971-800 299 -0
Fax: 0049 (0)5971-800 299 -99

E-mail: info@purelink.de
Internet: www.purelink.de

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