

DB-VRC4H

HDMI 4K Video Wall Controller



45° and/or 90° increments rotation



4K capturing



EDID management



Supports diverse display sizes and resolution grouping



Bezel compensation



Flip, Crop, Zoom & Duplication



Cascade multiple units



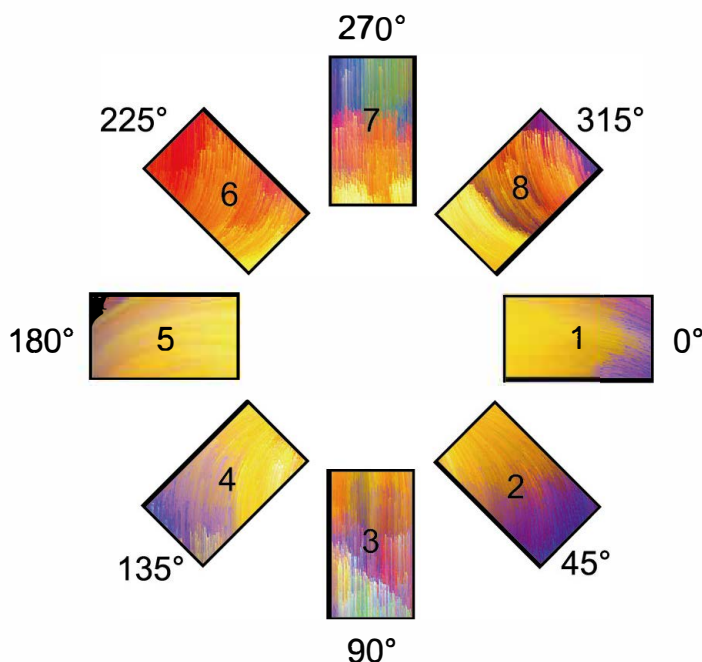
Easy to use

Introduction:

DigiBird® DB-VRC4H is a FPGA-based compact video wall controller that supports the rotation of displays in 45° and/or 90° increments.

The simplest and most cost-effective solution to build a video wall, the DB-VRC4H breaks the limitations of traditional rectangular alignments to create splendid works of art.

The DB-VRC4H is the ideal digital signage solution for retail stores, hotel lobbies, shopping malls, airports, art galleries, exhibitions, etc.



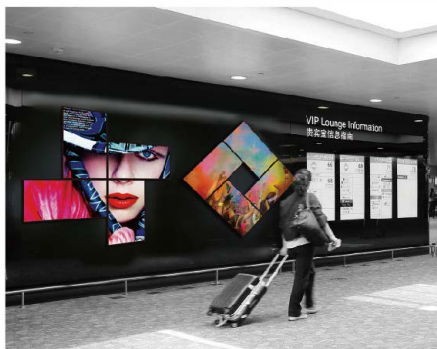
Features:

- 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
- Ultra high input resolutions up to 3840x 2160 @30Hz
- Output resolution up to 1920x 1200 @60Hz
- Supports arbitrary cropping
- Flexible EDID management
- Windows XP, Windows 7 , Windows 8 , and Windows 10 compatible.

Applications:



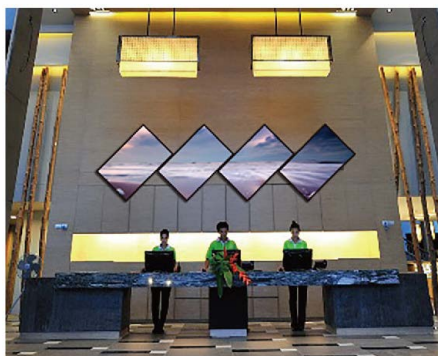
4S Shop



Airport



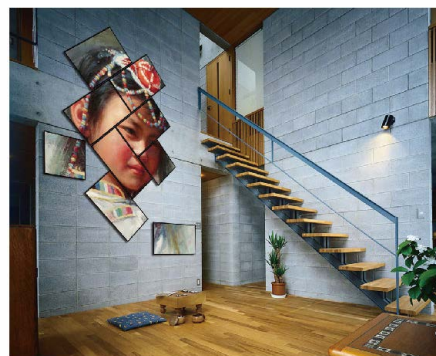
Club



Hotel



Coffee Bar



Art Center



Shopping Mall



Show



Museum

Datasheet:

DB-VRC4H

Input

Input Connectors	1x HDMI 1.4
Input Resolution	Up to 3840x2160 30Hz
Input Clock Rate	300MHz
Input Bandwidth	10.2 Gbps
Input/output Sync	YES

Output

Output Connectors	4x HDMI 1.3 type A; 1x HDMI 1.3 Loopout
Output Resolution	Up to 1920x1200 60Hz
Display sizes	Different display size for each output channel
Overlap	YES
Loop through	YES

Power

Power	Input: 110-240V AC
	Output: 12V DC
	Rate: max. 20W

Features

Rotation	45°, 90°, 135°, 180°, 225°, 270° or 315°
Arbitrary Upscaling	YES
EDID Management	YES
Bezel Compensation	YES
Cropping	YES
Flipping	YES
Cascading	YES

Control

Control	USB-B Connector; USB 2.0
Software	Windows based GUI software

Environmental

Operating Humidity	90% non-condensing
Operating Temperature	32° to 104° F (0° to 40° C)

Mechanical

Net Dimensions	1.75"H x 8.38"W x 8.11"D (44.5mm x 213mm x 206mm) without rack mount ears
	1.75"H x 9.76"W x 8.11"D (44.5mm x 248mm x 206mm) with rack mount ears
Package Dimensions	3.74"H x 17.72"W x 12.20"D (95mm x 450mm x 310mm)
Component Net Weight	1.76 lbs (0.8 Kg)
Shipping Weight	5.30 lbs (2.4 Kg)
Certificates	UL, CSA, CE, FCC, ROHS, CCC, HDMI

Order Code	SKU	Description	Rotation	Input Resolution	Output Resolution	Available
DB-VRC4H	DB-VRC4H-45	HDMI 4K Video Wall Controller	45° Increments	3840 x 2160 30Hz	HDMI, 1080p 60Hz	Q2, 2016



USA CONTACT
DigiBird
sales@digibirdtech.com
Tel: (206) 639-8941
www.digibirdtech.com

DigiBird Technology Co., Ltd.
Longguan Business Center, Suite 501
Huilongguan W. St. Changping
Beijing China 102208
sales@digibirdtech.com
www.digibirdtech.com

NORTH AMERICA & EMEA
Celerity Technologies
16 Technology Dr. Suite 142
Irvine, CA 92618
digibird@celaritytek.com
Tel: (949) 453-9988
www.celaritytek.com

THAILAND
Green Technology Engineering Co., Ltd.
157 Soi. Kasemsuwan Sukhumvit 50
Prakanong Klongtoey, Bangkok 10260
pradit.boss@gmail.com
Tel: +66 (0) 2742-7575
www.gte.co.th