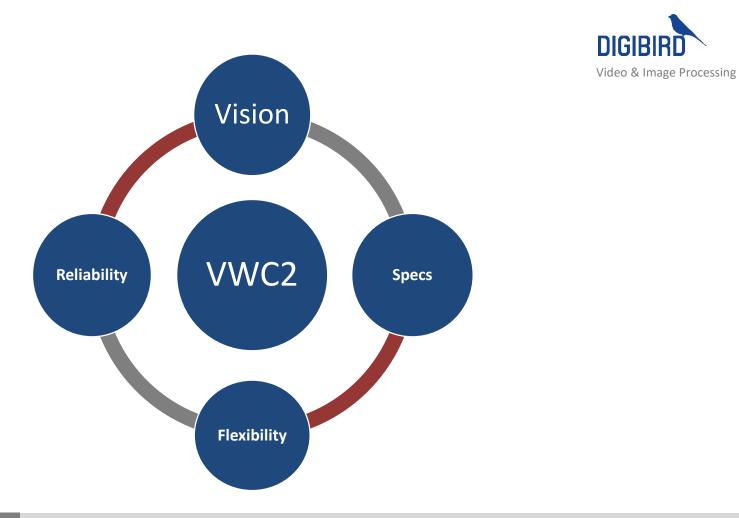


VWC2 Your Next Generation Controller







Vision: 4K Input & Output





- Input: Quad-Channel Per Card at 1080P, Dual-Channel Per Card at 4K
- Output: Quad-Channel Per Card at 1080P & 4K
- Maximum 3840x 2160 @30HZ, YUV 4:4:4



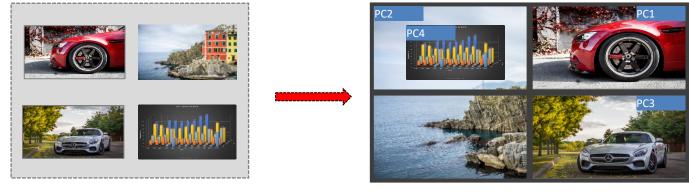
Vision: Scrolling Text



- Scrolling text to show news, notifications, or slogan
- Font, background, moving speed supported self-define



Vision: OSD



Input



- Display input name on screen, support TEXT or IMAGE
- Easy to detect the input source
- Font, position, background, name, support self-define





Vision: Smoothly Display & Synchronization



Competitors

- No stuck, no trailing and frame tearing
- Sync of cross screen source
- Smooth Display of fast moving video



VWC2

Vision: Input Cropping





- Supports arbitrary cropping by pixel
- Zoom to emphasize detail







Reliability: Structure



- Pure Hardware architecture
- Modular design: Flexible Configuration, Expandable and easy Maintenance.
- Hot-Swappable Redundant PSU
- Hot-swappable I/O Cards



Reliability: Control Card Back Up



- keep running the current scenario even both breaking down or swapped out
- Capable to import the configuration to restore





PCI/PCI-E





Cross Point





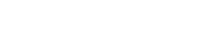
Reliability: Status Monitoring

Alarm	 Running = None 		🖓 Refresh		
		Input Card	-Fan-	card information	
1	VGA-1 VGA-2 VGA-3 VGA-4	11 VGA-1 VGA-2 VGA-3 VGA-4		Basic Information	
2	VGA-1 VGA-2 VGA-3 VGA-4	12 VGA-1 VGA-2 VGA-3 VGA-4		Name : 2-CH 4K-HDMI Input Care	
3	HDMI-1 HDMI-3	13 HDMI-1 HDMI-2 HDMI-3 HDMI-4	000	SN: 01941641940115	
4		14		HW Version: 1	
5	DVI-1 DVI-2 DVI-3 DVI-4		·	MCU Boot : 1.0.0.6	
6		Output Card		MCU App : 1.0.0.19	
U		1		FPGA1 Version : 2016090505	
7		2 PV RUN LINK1 LINK2 LINK3 LINK4		Running Information	
8		3		Running Status : Normal	
9	VGA-1 VGA-2 VGA-3 VGA-4		·	Card Temp: 39.0℃	
10	VGA-I VGA-2 VGA-3 VGA-4	HDMI-1 HDMI-2 HDMI-3 HDMI-4		FPGA1 Temp: 55.7℃	
	Control Card			HDMI4k-1 Resolution : 3840 * 2160	
		CB	·	HDMI4k-3 Resolution : 3840 * 2160	
1	USB NET SYNC IN OUT MASTER	1			
2		PSU (Power Supply Unit)			
			34.0 ℃		



Reliability: Firmware Update

DIGIBIRD									🕞 Dashboard 🕨
L *	A	Input (Dutput Prev	riew					
Video Wall		(Upgrade							
Card Upgrade		MCU Upgrad	le			FPGA Upgrad	e		
		Please choose	noose a file. Please choose a file.						
1 1		VGA 1(1)	VGA 2(1)	HDMI4k 3(1)	DVI 4(1)	NONE 5(1.0)	NONE 6(1.0)	NONE 7(1.0)	NONE 8(1.0)
Users		VGA 9(1)	NONE 10(1.0)	VGA 11(1)	VGA 12(1)	HDMI 13(1)	NONE 14(1.0)		
Backup									



DIGIE

Video & Image Processing

Flexibility: Windows Layout



- Creates up to 4x windows per display
- Supports arbitrary layering, zooming in/out, stretching and picture in picture



Flexibility: Web-based Control



- PC, Mobile device supported
- No installation of control software
- Via Google Chrome Browser





Flexibility: Multiple Video Wall



- Manage multiple groups video wall, each video wall can be different display device, resolution and size.
- Up to 4x groups for different resolution video wall, no limitation for same resolution video wall.
- Each video wall can share the input



Flexibility: Visible Operation





Control Interface

- View all input resource
- View virtual video wall display

Video Wall

DIGIBIRD Video & Image Processing

Key Features

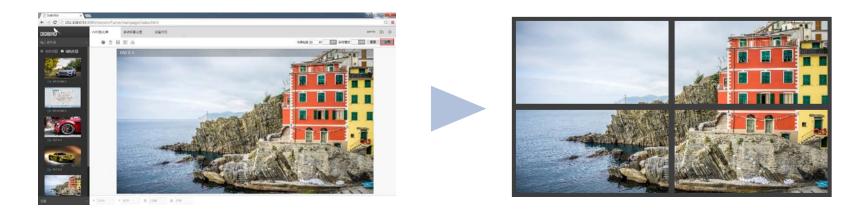
Flexibility: Precisely Access Level Management

Aut	hority	×
Vide	eo Wall Controller Menu	
10	Card Upgrade	Enable Disable Inherit
11	🗎 EDID	●Enable●Disable●Inherit
12	🔺 😋 Users	⊖Enable⊖Disable®Inherit
13	🖉 😋 Authorities	Enable Disable Inherit
14	🗎 Permissions Saved	Enable Disable Inherit
15	🗎 Delete User	Enable Disable Inherit
16	🗎 Add User	Enable Disable Inherit
17	🗎 Edit User	Enable Disable Inherit
18	🗎 Backup	Enable Disable Inherit
19	🗎 Preview	Enable Disable Inherit
20	🗎 System Upgrade	○Enable○Disable●Inherit
		Save Disable

- Multiple users concurrently
- Administrator is able to authorize different access level to user



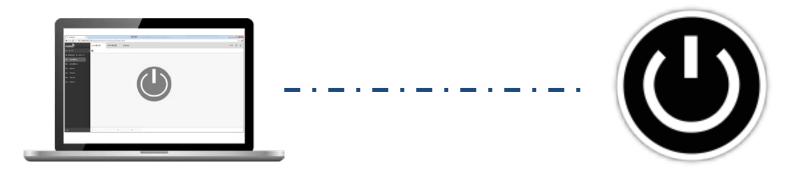
Flexibility: Pre-editing



• Editing the scenario without changing the video wall display before apply.



Flexibility: Remote Standby & Wakeup



• Remotely Standby or Wakeup via One-Touch operation

Products Range



Model	VWC2-H4-C4	VWC2-H4-C6	VWC2-H4-C14	VWC2-H4-C19
Chassis Size	4U	6U	14U	19U
Max Input	32(HD) or 16(4K)	56(HD) or 28(4K)	108(HD)or 54(4K)	148(HD) or 74(4K)
Max Output	12	20	40	80
Default + Redundant PSU	2	2	4	4
Power	110-240V AC, 50-60H	Ηz		
Operating Temperature	0°-50°C (32°-112°	° F)		
Operating Humidity <90% (Non-condensing)				

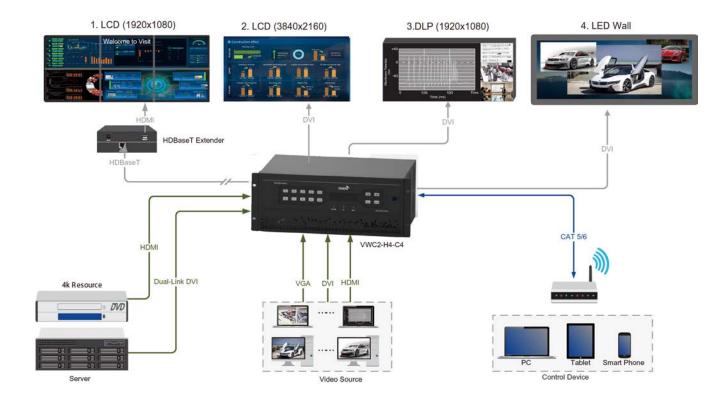
B. Specification



Input	Max. Resolution	Туре
DVI(Single Link)	1920*1200@60Hz	DVI-D
DVI(Dual Link)	3840*2160@30Hz	DL-DVI-D
HDMI	1920*1200@60Hz	HDMI1.3
4K HDMI	3840*2160@30Hz	HDMI1.4
DP	3840*2160@30Hz	DisplayPort 1.1
VGA	1920*1200@60Hz	RGBHV
SDI	1920*1080@60Hz	SD/HD/3G SDI
CVBS	720*480/720*576	NTSC/PAL
YPbPr	1920*1080@60Hz	YPbPr
Output	Max. Resolution	Туре
DVI(Single Link)	1920*1200@60Hz	DVI-I
HDMI	1920*1200@60Hz	HDMI1.3
4K HDMI	3840*2160@30Hz	HDMI1.4
NPC	-	IP
HDBaseT	3840*2160@30Hz	HDBaseT

Diagram





Thanks! http://www.digibirdtech.com/