HPro

GENUI NE 4K/60 VIDEO WALL CONTROLLER

DIGIBIRD

OVERVIEW

VWC2-HPro is a hardware-based 4K video wall controller to process sources up to 4K/60Hz 4:4:4.
Equipped with adequate newly features, such as embedded audio and fully back-up, VWC2-HPro claims itself as flagship model video wall controller.

Highlights

4K/60Hz, YUV 4:4:4

Hardware-based solution without OS vulnerabilities

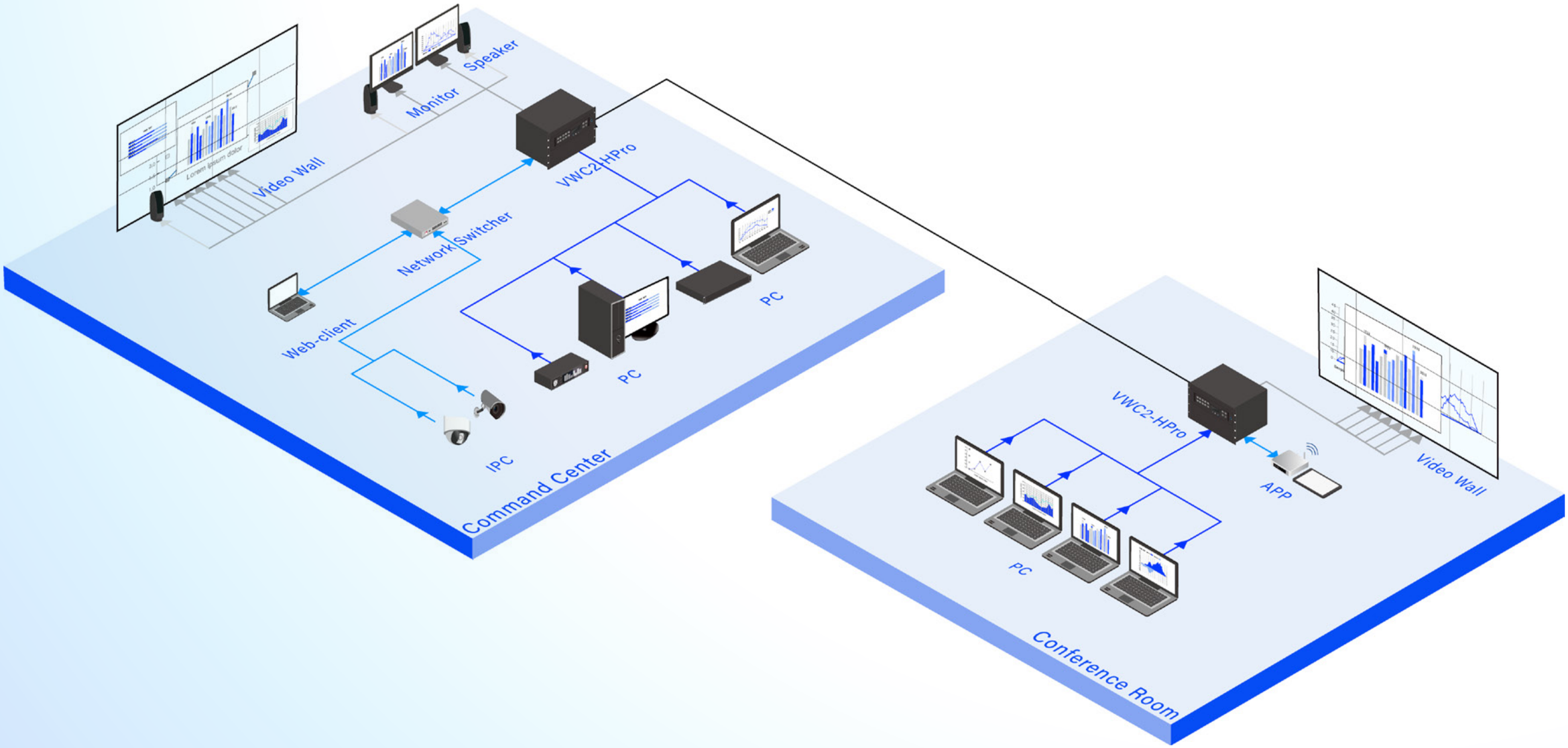
Supports embedded audio

Multiple levels back up

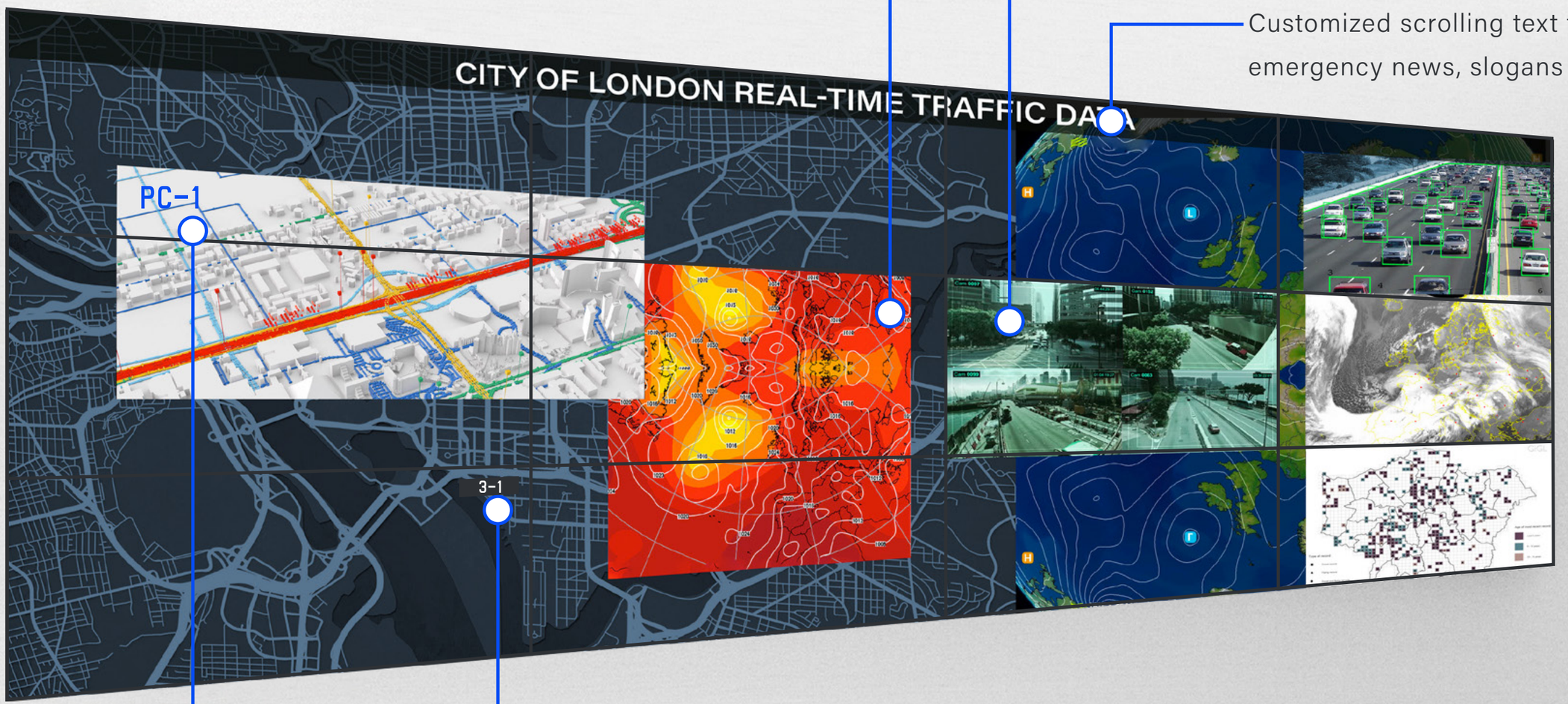
GUI control interface with live preview

Power on/off video wall

DIAGRAM


Video Wall
Monitor
Speaker
VWC2HPro
Network Switcher
Web-client
PC
PC
IPC
Command Center
VWC2-HPro
APP
Video Wall
PC
Conference Room

FEATURES



Supports arbitrary layering, zooming in/out, stretching and picture in picture

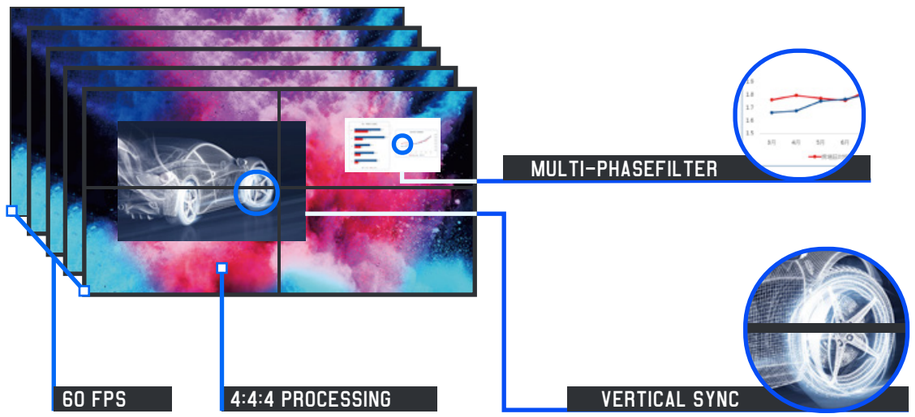
Creates up to 4x windows per display, with options for 8x layers and 16x layers

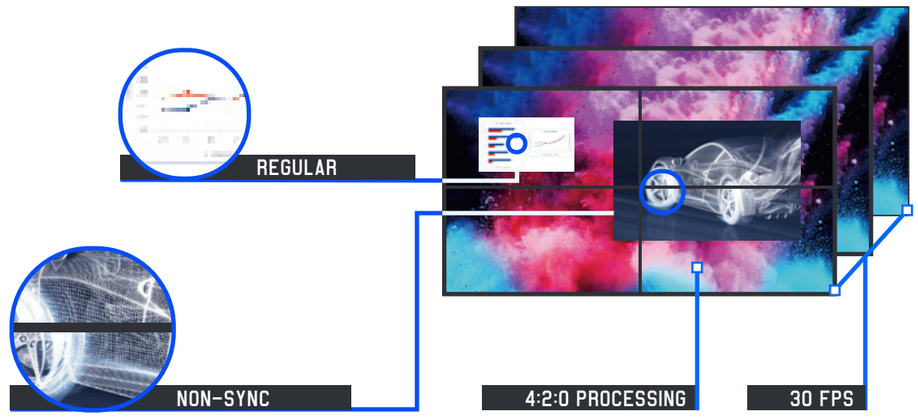
Customized scrolling text to show emergency news, slogans or notifications

Output ID to indicate physical connection order between panels and output port, helps to reallocate mapping relationship if any cabling mistake.

Input label to identify input sources

UNMATCHED PERFORMANCE





Applied stepless zooming, vertical sync and 4:4:4 processing, VWC2-HPro has unmatched performance to offer visually loseless experience.

HARDWARE-BASED CONTROLLER

Unlike PC based solution, HPro is hardware-based controller, which could be deployed for mission critical application 24x7 without OS vulnerabilities.

Adopted modular design, VWC2-HPro offers flexibility of configuration, expansion and maintenance.

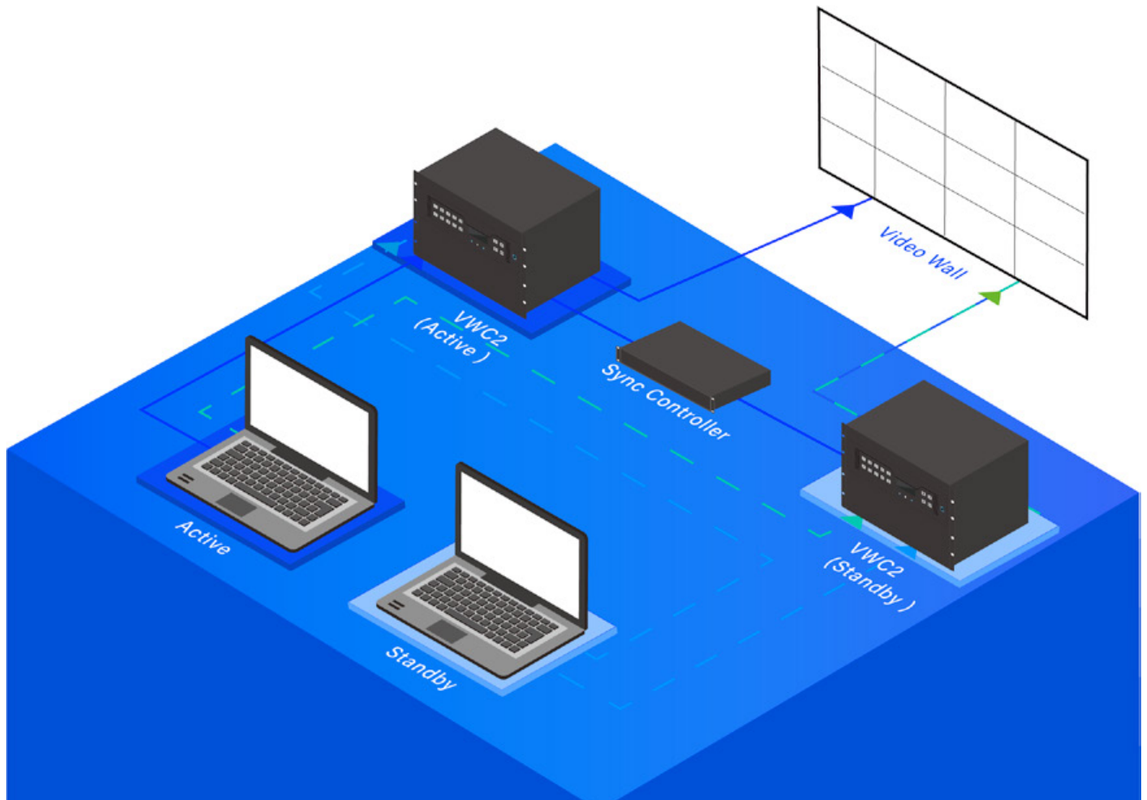
HPro also provides multiple input and output cards at users' discretion based on interface and transmission distance.

AUDIO IS MATTER

Unlike majority of models, HPro support embedded and de-embedded audio management.

User is able to switch audio input and output, turn up/down volume and manage audio preset.

Meanwhile, mix audio output is available when multiple audios are switched to same output.



FULLY BACKUP

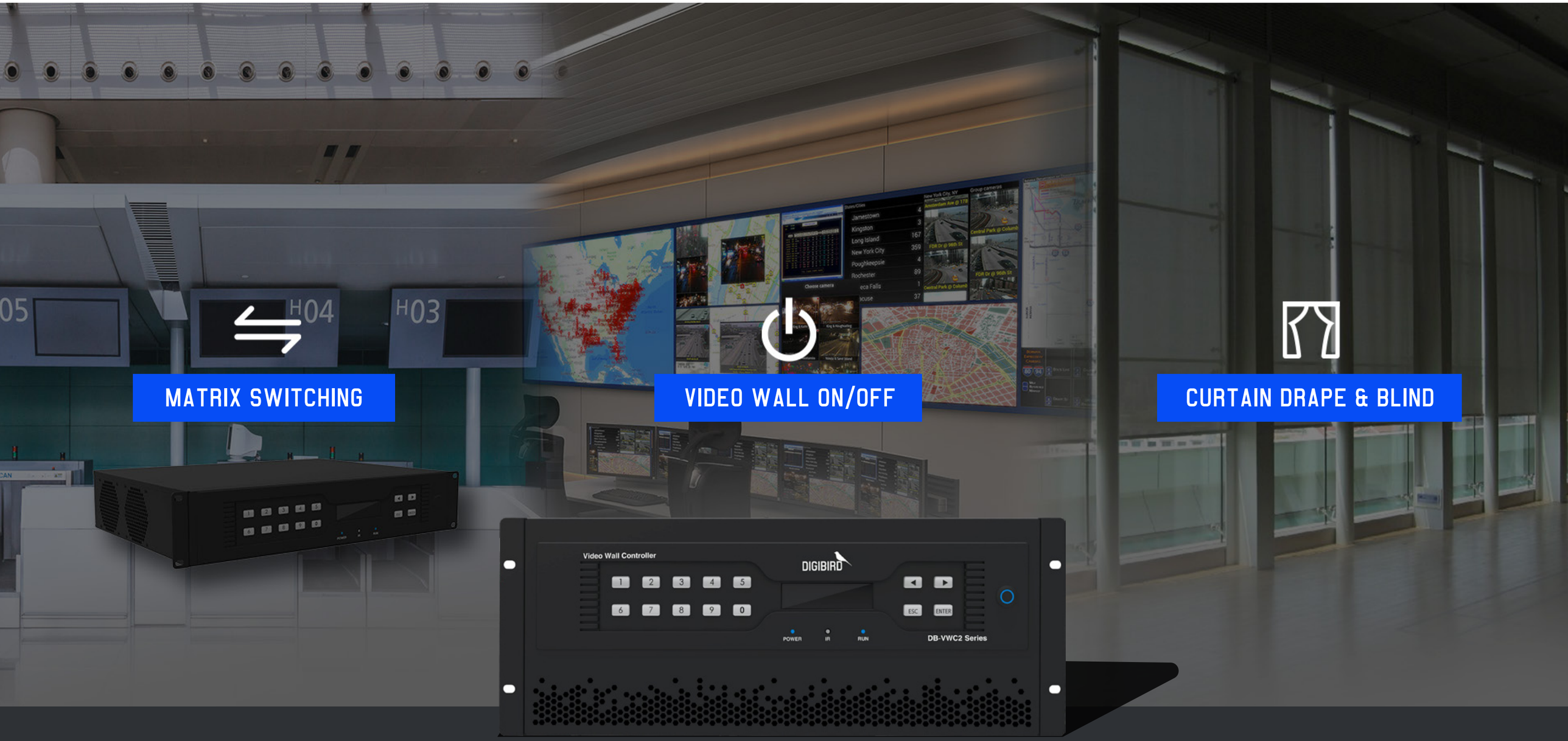
VWC2-HPro offers optional redundant PSU and control card, which will auto take over the failure one to continue work without any interruption.

It also allows operator to assign back up ports or input cards for certain port or input card.

Moreover, it delivers hot standby solution for mission critical applications.

3RD PARTY MANAGEMENT

By sending command via RS232 or UDP, VWC2-HPro can be used to power on/off video wall and manage 3rd party matrix switcher without the need of central controller.



LIVE PREVIEW

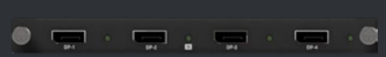
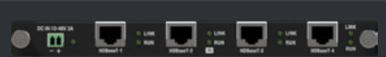
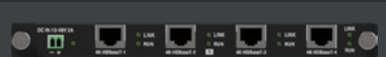
With tailored GUI interface, DigiBird video wall controller App and web-client allows operator to view the input source and video wall display in real time, and manage display through simple drag-and-drop operation.

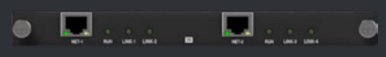
SPECIFIED USER ACCESS

Administrator is capable toauthorize certain users specific access for video wall management,
i.e. specific input, display area and functions, etc.

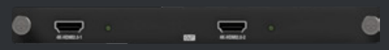
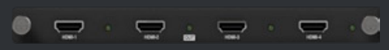
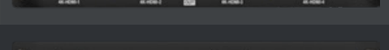
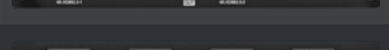
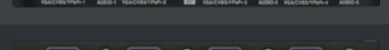
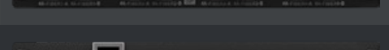
VWC2 – HPRO SPEC

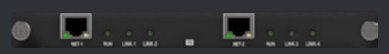
Size	Description			Input Cards	Output Cards	Weight	Net Dimensions (LDH mm)	PSUs
3U	3U Chassis,	up to 6x input cards,	2x output cards.	6	2	8.2kg	440 x 325 x 133	1 + 0
4U	4U Chassis,	up to 8x input cards,	3x output cards.	8	3	9.8kg	440 x 325 x 178	1 + 1
6U	6U Chassis,	up to 14x input cards,	5x output cards.	14	5	12.6kg	440 x 325 x 266	1 + 1
8U	8U Chassis,	up to 15x input cards,	10x output cards.	15	10	16.8kg	440 x 325 x 355	1 + 1
14U	14U Chassis,	up to 21x input cards,	18x output cards.	21	18	29.4kg	460 x 622 x 29.4	1 + 3
26U	26U Chassis,	up to 42x input cards,	36x output cards.	42	36	54.6kg	440 x 460 x 1154	1 + 3

Input Card	Description	Resolution
	4 channels SL - DVI input card.	Up to 1920x1200/60Hz
	2 channels 4K DL - DVI input card.	Up to 3840x2160/30Hz
	4 channels HDMI input card.	Up to 1920x1200/60Hz
	2 channels 4K HDMI input card.	Up to 3840x2160/30Hz
	1 channel HDMI 4K60 input card.	Up to 3840x2160/60Hz
	4 channels DP input card.	Up to 1920x1200/60Hz
	2 channels 4K DP input card.	Up to 3840x2160/30Hz
	4 channels HDBT input card.	Up to 1920x1200/60Hz
	2 channels 4K HDBT input card.	Up to 3840x2160/30Hz
	4 channels SDI input card.	Up to 1920x1080/60Hz
	4 channels YPbPr input card.	Up to 1920x1080/60Hz

Input Card	Description	Resolution
	4 channels VGA input card.	Up to 1920x1200/60Hz
	2 channels H.265 IP input card.	Up to 4000x3000/25Hz
	2 channels 4K H.265 IP input card.	Up to 4000x3000/25Hz
	4 channels Fiber HD input card.	Up to 1920x1200/60Hz
	2 channels Fiber 4K input card.	Up to 3840x2160/30Hz
	4 channels AVCNet input card	Up to 1920x1200/60Hz
	2 channels 4K AVCNet input card	Up to 3840x2160/30Hz
	8 channels audio input & output card	Up to 720x480/720x576
	4 channels CVBS input card.	
	4 channels SL - DVI output card.	Up to 1920x1200/60Hz
	4 channels HDMI output card.	Up to 1920x1200/60Hz

VWC2 - HPRO SPEC

Output Card	Description	Resolution
	4 channels 4K HDMI output card.	Up to 3840x2160/30Hz
	2 channels 4K60 HDMI output card.	Up to 3840x2160/60Hz
	4 channels DP output card.	Up to 1920x1200/60Hz
	4 channels 4K DP output card.	Up to 3840x2160/30Hz
	4 channels HDBaseT output card.	Up to 1920x1200/60Hz
	4 channels 4K HDBaseT output card.	Up to 3840x2160/30Hz
	4 channels SDI output card.	Up to 1920x1080/60Hz
	4 channels HDMI output card.	Up to 1920x1200/60Hz
	4 channels 4K HDMI output card.	Up to 3840x2160/30Hz
	2 channels 4K60 HDMI output card.	Up to 3840x2160/60Hz
	1 channel 4K HDMI output card, 16 card.	Up to 3840x2160/30Hz
	4 channels DVI output card.	Up to 1920x1200/60Hz
	4 channels J - series 4K HDBaseT card.	Up to 1920x1200/60Hz
	4 channels J - series 4K HDBaseT output card.	Up to 3840x2160/30Hz
	4 channels VGA output card.	Up to 1920x1200/60Hz
	4 channels Video output card.	Up to 720x480/720x576
	4 channels 4K FIBER output card.	Up to 3840x2160/30Hz
	1 channel IP output card.	1080P/30Hz
	4 channels AVCNET output card.	Up to 1920x1200/60Hz
	1 channel IP Network Preview card.	/

Function Cards	Description	Resolution
	4 channels DVI Confidence Monitoring Card	Up to 1920x1200/60Hz
	Monitoring Card	/