VWC2-HPro

GENUINE 4K/60 VIDEO WALL CONTROLLER

OVERVIEW

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

Highlights

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

Hardware-based Solution
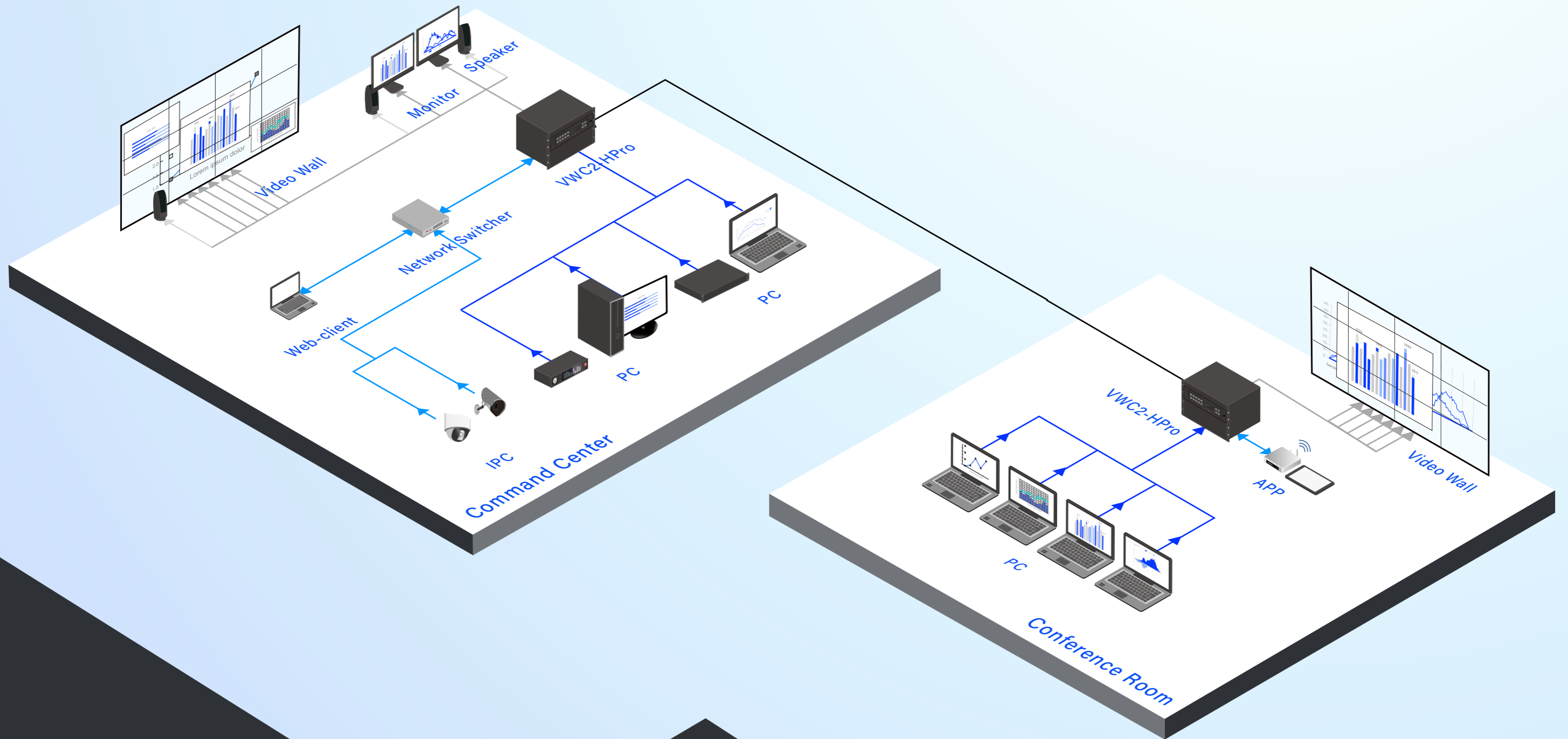
Without OS Vulnerabilities

Support Embedded Audio

Multiple Users Configuration

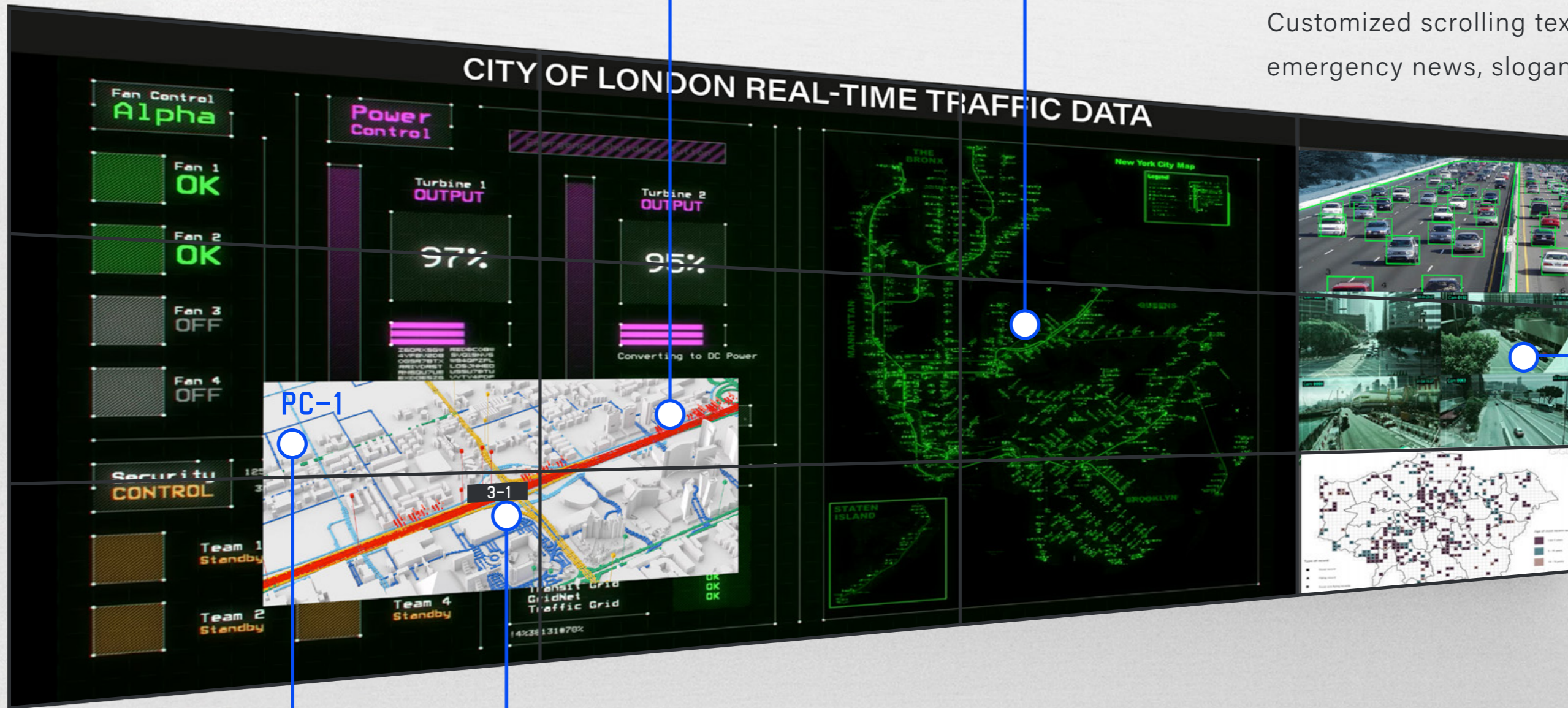Web GUI Control with Live Preview

Remote Power on/off Video Wall

Video Wall Controller

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1 2 3 4 5

6 7 8 9 0

ESC ENTER

POWER   IR   RUN   DB-VWC2 Series PRO

DIAGRAM

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Video Wall

Monitor

Speaker

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VWC2-HPro

Network Switcher

Web-client

PC

PC

IPC

Command Center

VWC2-HPro

PC

APP

Video Wall

Conference Room

FEATURES

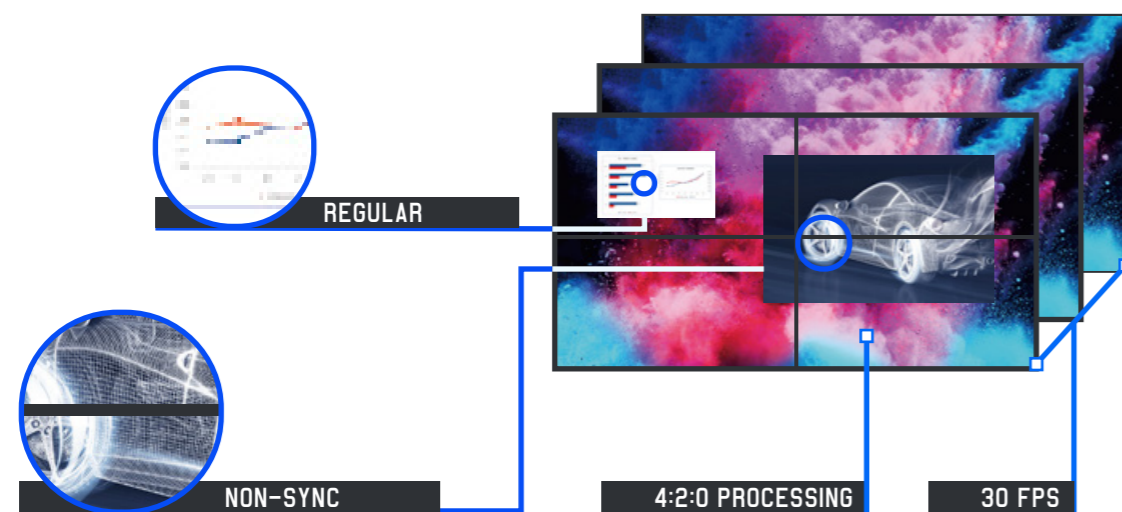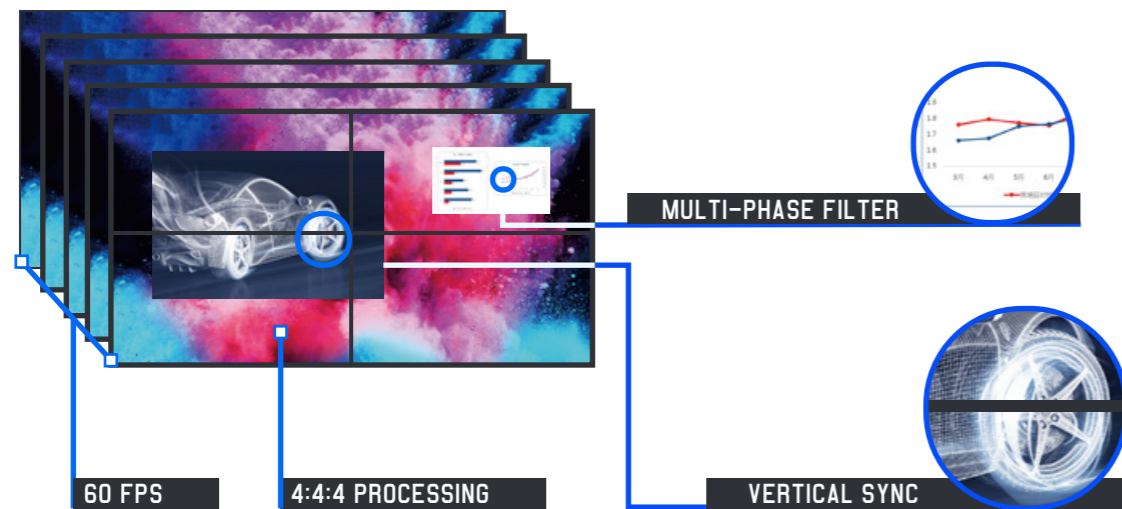Supports arbitrary layering, zooming in/out, stretching and picture in picture

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

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INDUSTRY LEADING PERFORMANCE

MULTI-PHASE FILTER

60 FPS | 4:4:4 PROCESSING | VERTICAL SYNC

REGULAR

NON-SYNC | 4:2:0 PROCESSING | 30 FPS

Applied stepless zooming, vertical sync and 4:4:4 processing, VWC2-HPro has industry leading 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.

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Video Wall

VWC2 (Active)

Sync Controller
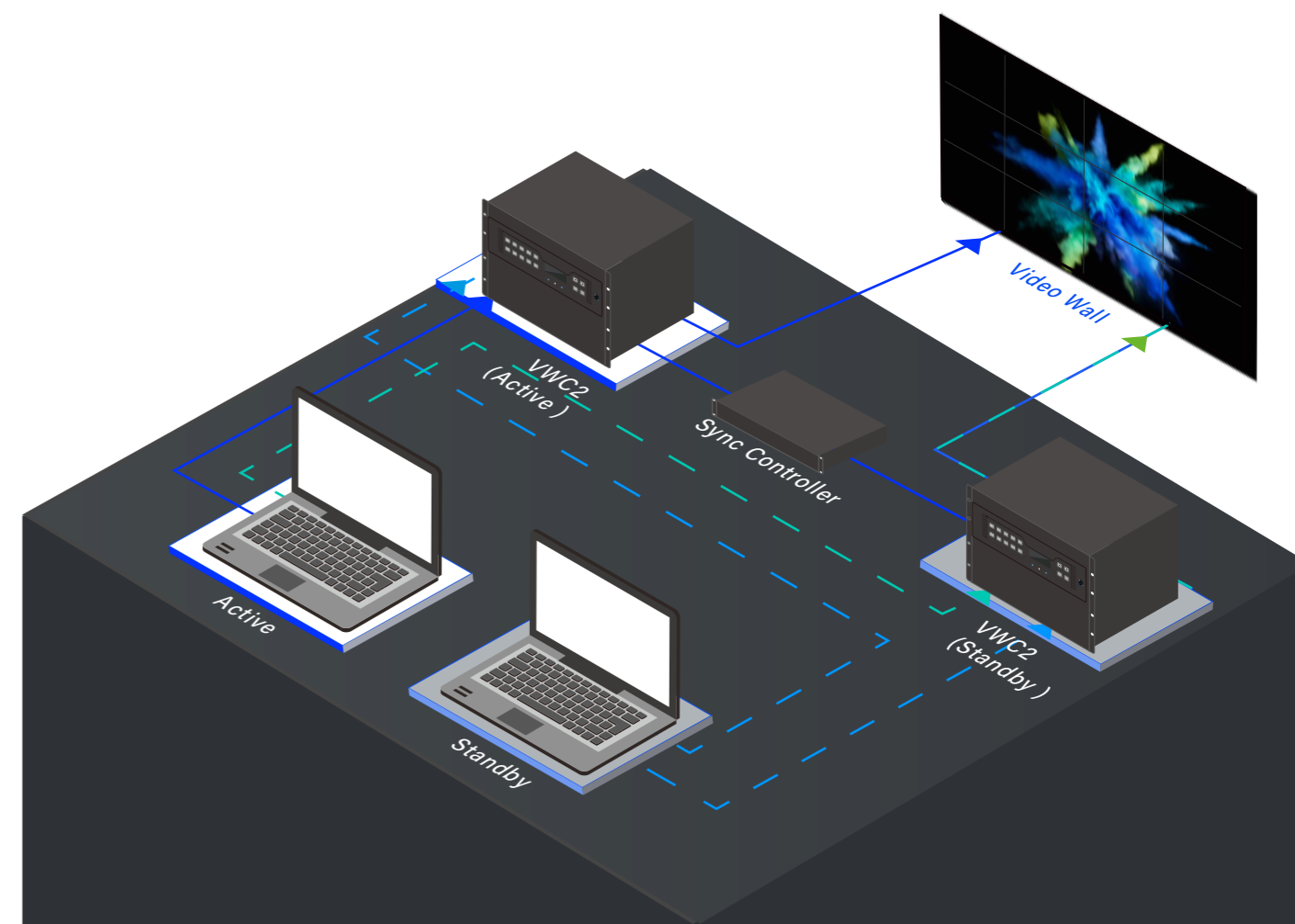
VWC2 (Standby)

Active

Standby
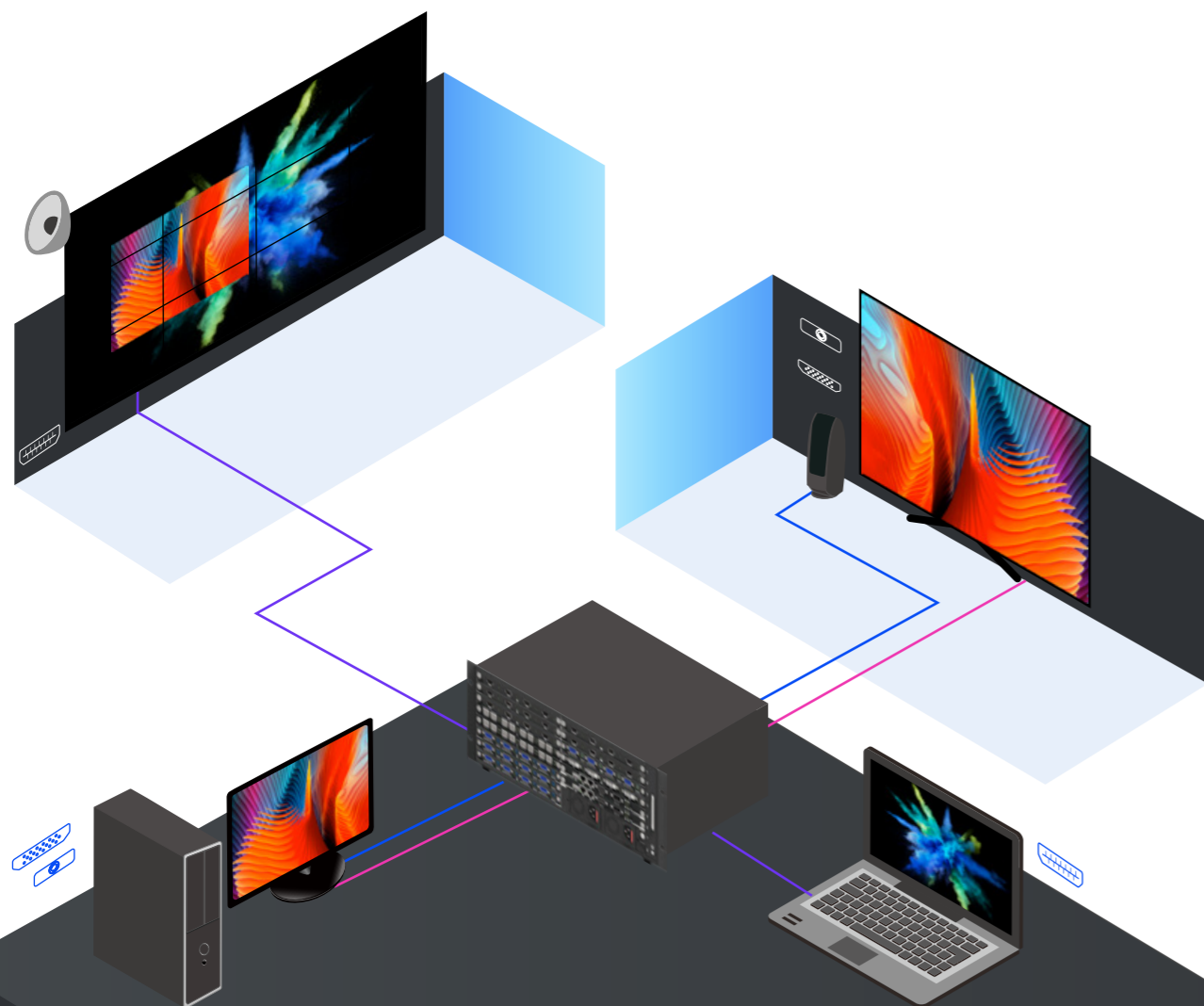
AUDIO DOES MATTER

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.
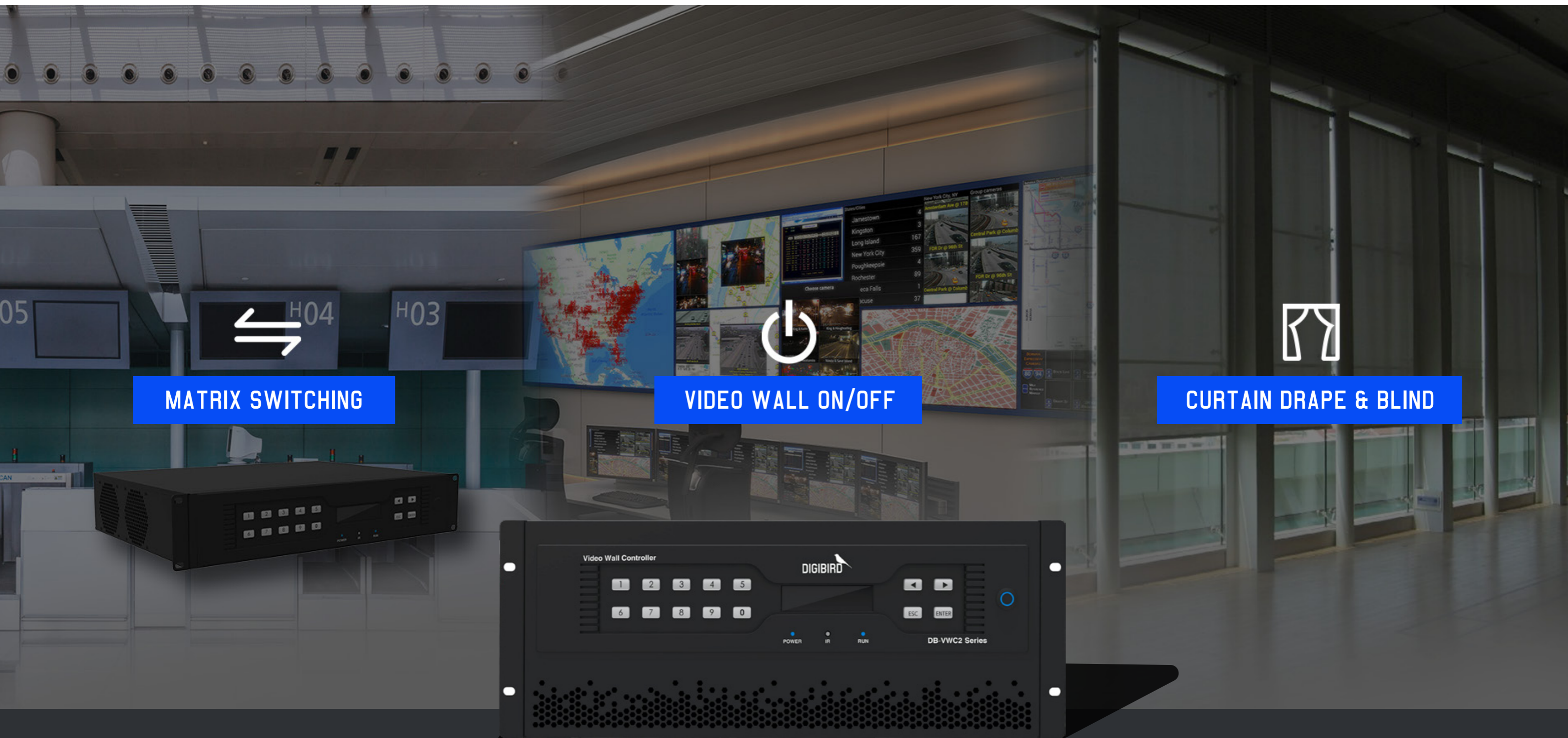
FULLY BACKUP

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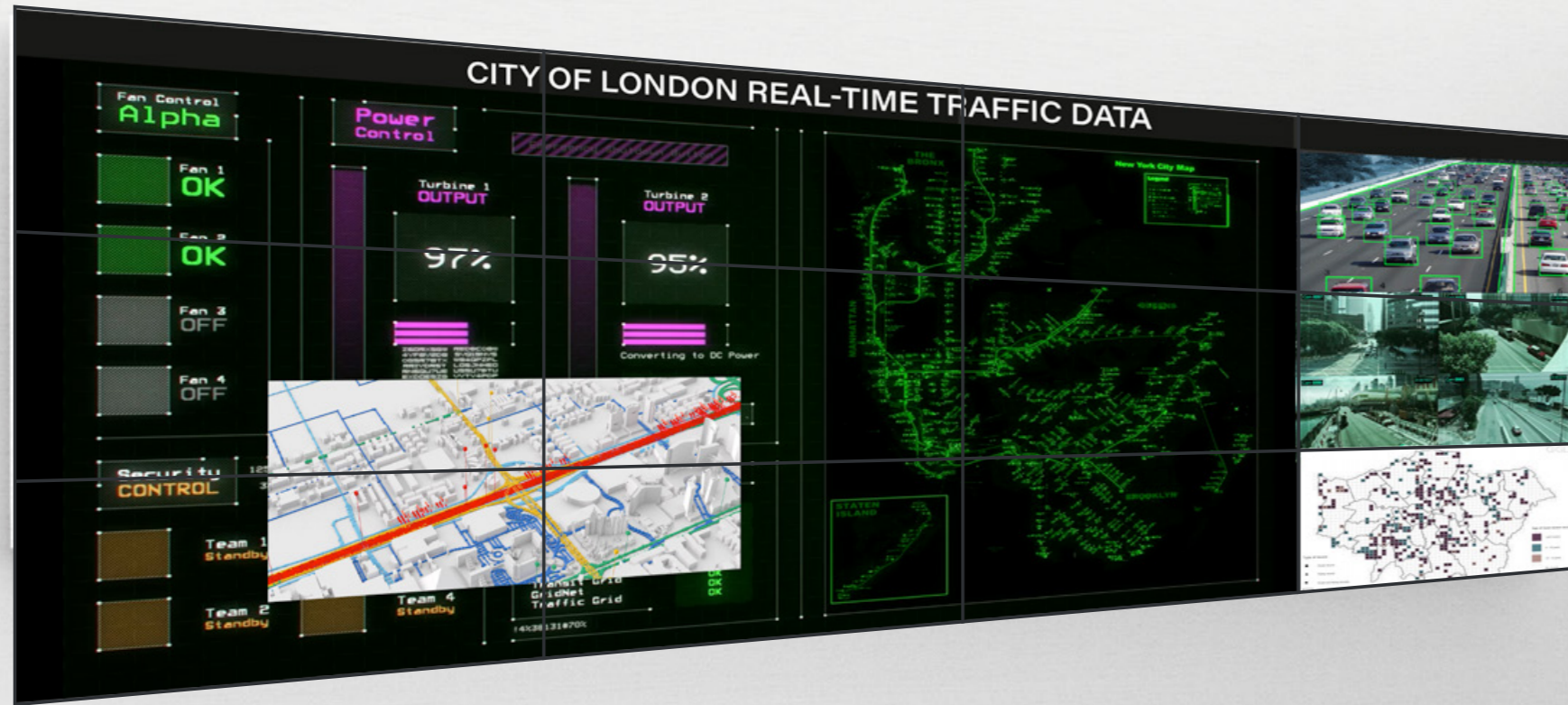
Moreover, it delivers hot standby solution for mission critical applications.

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.

MATRIX SWITCHING

VIDEO WALL ON/OFF

CURTAIN DRAPE & BLIND

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Video Wall Controller

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POWER   IR   RUN   DB-VWC2 Series

With tailored GUI, 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.
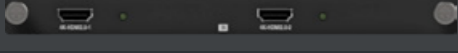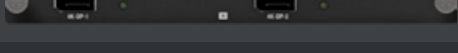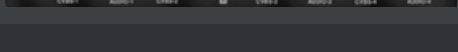
SPECIFIED USER ACCESS

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Administrator is capable to authorize certain users specific access for video wall management，
i.e. specific input, display area and functions, etc.
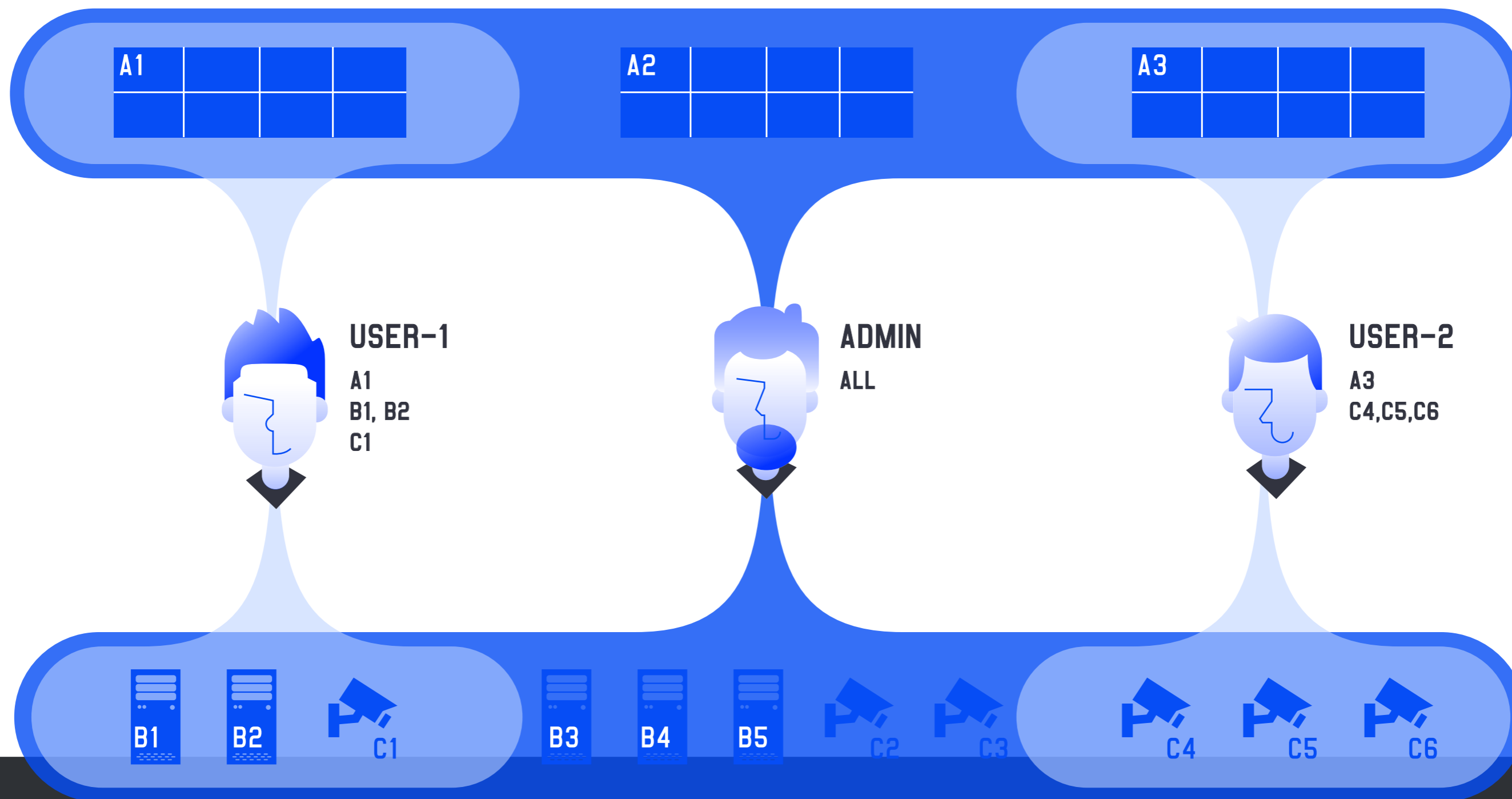
VWC2 – HPRO SPEC

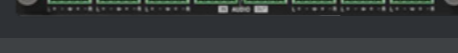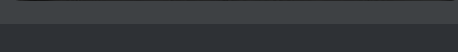| Size	Description		Input Cards	Output Cards	Weight	Net Dimensions (LDH mm)	PSUs
3U	3U Chassis,	up to 6x input cards,	2x output cards.	6	2	8.2kg	440 x 325 x 133	1 + 0
4U	4U Chassis,	up to 8x input cards,	3x output cards.	8	3	9.8kg	440 x 325 x 178	1 + 1
6U	6U Chassis,	up to 14x input cards,	5x output 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	440 x 460 x 622	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 J - series 4K HDMI output card.	Up to 3840x2160/30Hz
	2 channels J - series 4K60 HDMI output card.	Up to 3840x2160/60Hz
	1 channel J - series 4K HDMI output card, 16 layers.	Up to 3840x2160/30Hz
	4 channels DVI output card.	Up to 1920x1200/60Hz
	4 channels J - series 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 encoding 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.	/

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