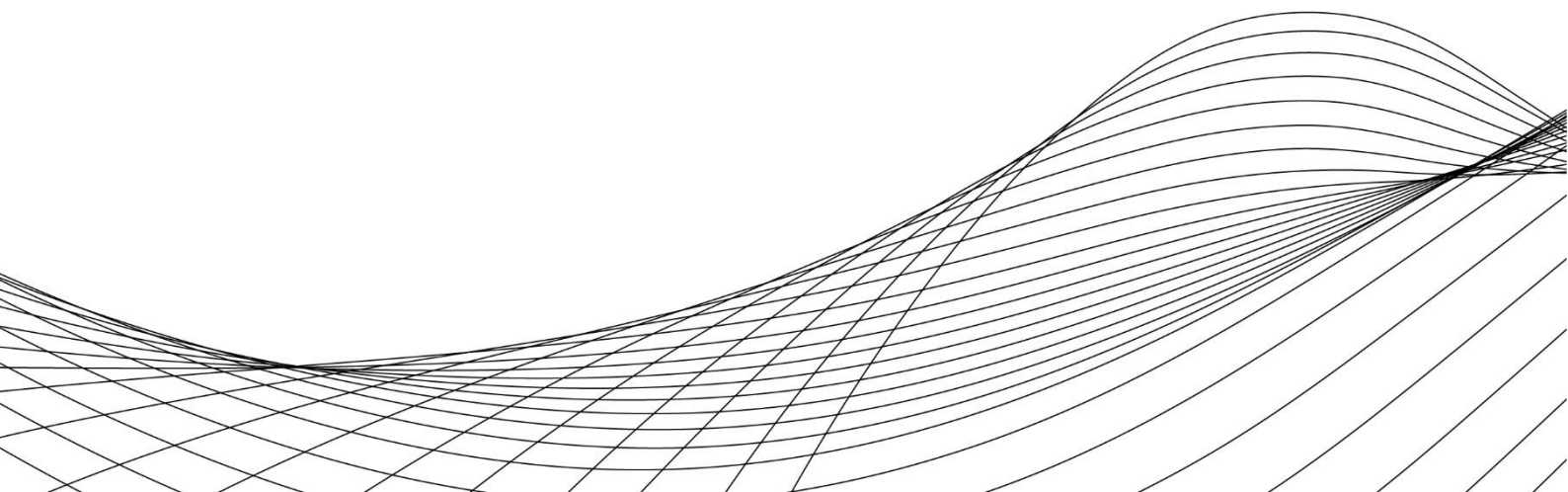


VIDEO WALL CONTROLLER

PLD-3000-2.5U-0412H

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Introduction

This Video Wall controller is a high-performance video image processing workstation with pure hardware architecture and without operating system. It adopts the processing mechanism of large-capacity and high-speed FPGA array and Cross Point digital multi-bus data routing exchange, which ensures the full-time display of all signal images, has extremely high stability, fast startup speed, and supports 365x24 hours uninterrupted and stable operation.

The Video Wall Splice is with 19-inch standard chassis design, the card board using plug-in structure design, can be flexibly configured according to the requirements. The whole machine can realize up to 144 splicing combined display screens, which can meet the needs of most splicing display items. It can be widely used in security monitoring, exhibition display, military command, video conference, commercial display, government announcement and other industries.

Features

Single card with 4 interfaces support 8 windows

Maximum support for a single screen open 8 layers, a single card supports sharing 8 windows



Standard audio function

Support audio function, support embedded audio input and output, support independent audio output.



WEB Cross-platform Control



HarmonyOS

Windows

iOS

Android

Neokyun

- Support WEB cross-platform control, custom logo, software name, support device automatic wheel patrol function.

- Support multiple users and different terminals to operate at the same time, and real-time synchronous data function.
- Supports cross-platform control of multiple operating systems.

Single Card Support 1x 4K@60Hz / 2x 4K@30Hz / 4x 1080P input

- A single card supports 1ch HDMI2.0/DP1.2, 2ch HDMI 1.4, 4ch HDMI1.3 Switching input.
- Support 3840×2160@60Hz UHD input display.

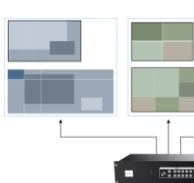


Input signal detection & Signal backup

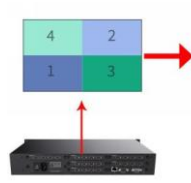
- Support input signal detection, interface indicator and software have status indication.
- Backup signal can be set to realize automatic signal switching to ensure the screen is not blank.



More Featured Functions



Support LCD / LED multi-group screen wall



Output port mapping



WEB loop control



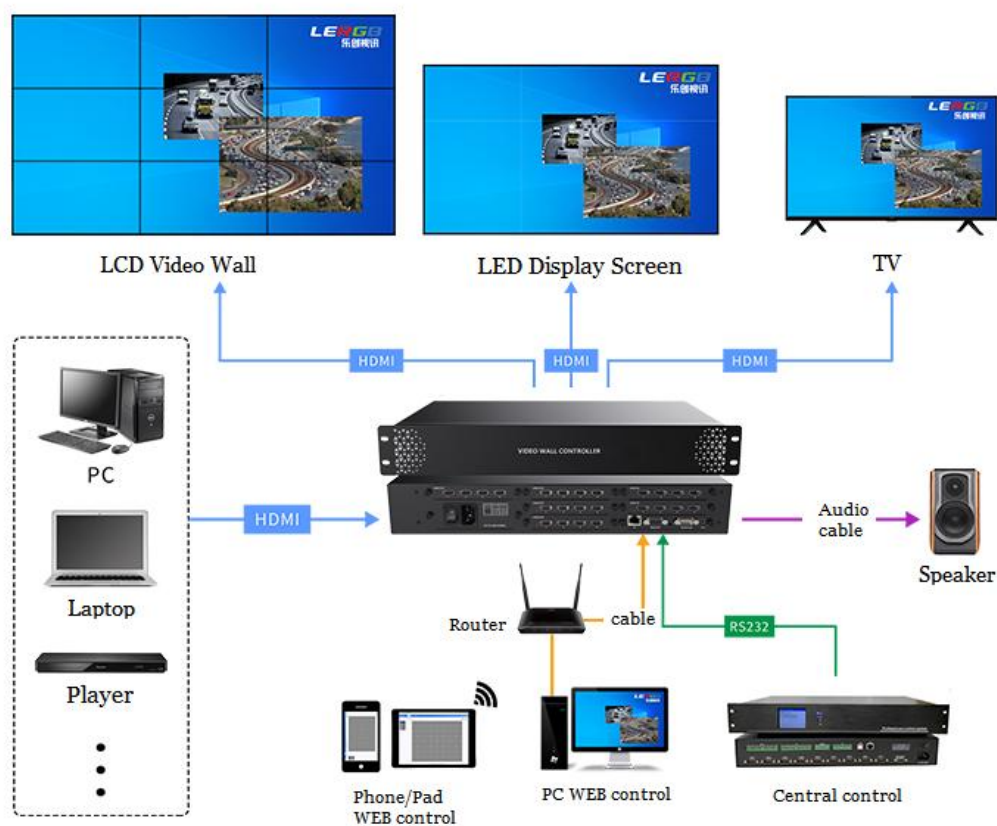
Seamless Switching

Front Panel crystal buttons

- Full-color LCD display of equipment information.
- Switching signals or accessing profiles by pressing the buttons



Applications



Display

Model	S2	S3	S3Lite	S3Pro
Rack Unit	1.5U	2.5U		

Specifications

Type	Description
4K Sending Card	■ A Single card support 1ch HDMI2.0/DP1.2, 2ch HDMI1.4, 4ch HDMI1.3 switching input ■ Support embedded audio input. ■ Support common resolution input, the maximum resolution of 3840x2160@60Hz. ■ Status LEDs---On: The input source is accessed normally; Off: No input source is accessed or the input source is abnormal.
HDMI Input Card	■ A single card board with 4ch input, HDMI1.3 digital interface support HDCP ■ Support embedded audio input. ■ Support common resolution input, the maximum resolution of 1920×1080@60Hz. ■ Status LEDs---On: The input source is accessed normally; Off: No input source is accessed or the input source is abnormal.
HDMI Output Card	■ A single card board with 4ch output (single card sharing 8 window layers) , HDMI1.3 digital interface. Support embedded audio output. ■ Support common resolution output, the maximum resolution of 1920×1080@60Hz. ■ Custom resolutions: , Max. width: 2048 pixels, Max. height: 1920 pixels
Control Card	■ RJ45 network port×1, 10/100MB network interface Communication interface, connected to routers, switches, or PCs for web control ■ DB9 serial port female head × 1, RS232 serial port, connected to the central control system, controlled through the central control system ■ DB9 serial port male × 1, RS232 serial port, ring out serial port, controlling third-party serial port devices ■ 3.5mm headphone jack x 1, independent audio output.

Parameters

Rack Model	S2	S3Lite	S3	S3Pro
Rack Unit	1.5U	2.5U	2.5U	2.5U
Input Cards	2	4	4	2
Output Cards	4	4	8	11
maximum output	8-16	16-16	16-32	8-44
Number of screens	16	16	32	44
Master control	1	1	1	1
WEB control	√	√	√	√

Built-in audio	√	√	√	√
3.5mm audio	1	1	1	1
LCD buttons	LCD optional, LED standard			
LED Splicing	√	√		
Power Connector	100~240VAC,50/60Hz	210~240VAC,50/60Hz		
Power consumption	≤75W	≤150W		
Dimensions	482.1×250×68mm	482.4×300×112.5mm		
Net weight	≤4Kg	≤8Kg		
Gross weight	≤5Kg	≤10Kg		
Packing Box	525×330×145mm	560×470×150mm		