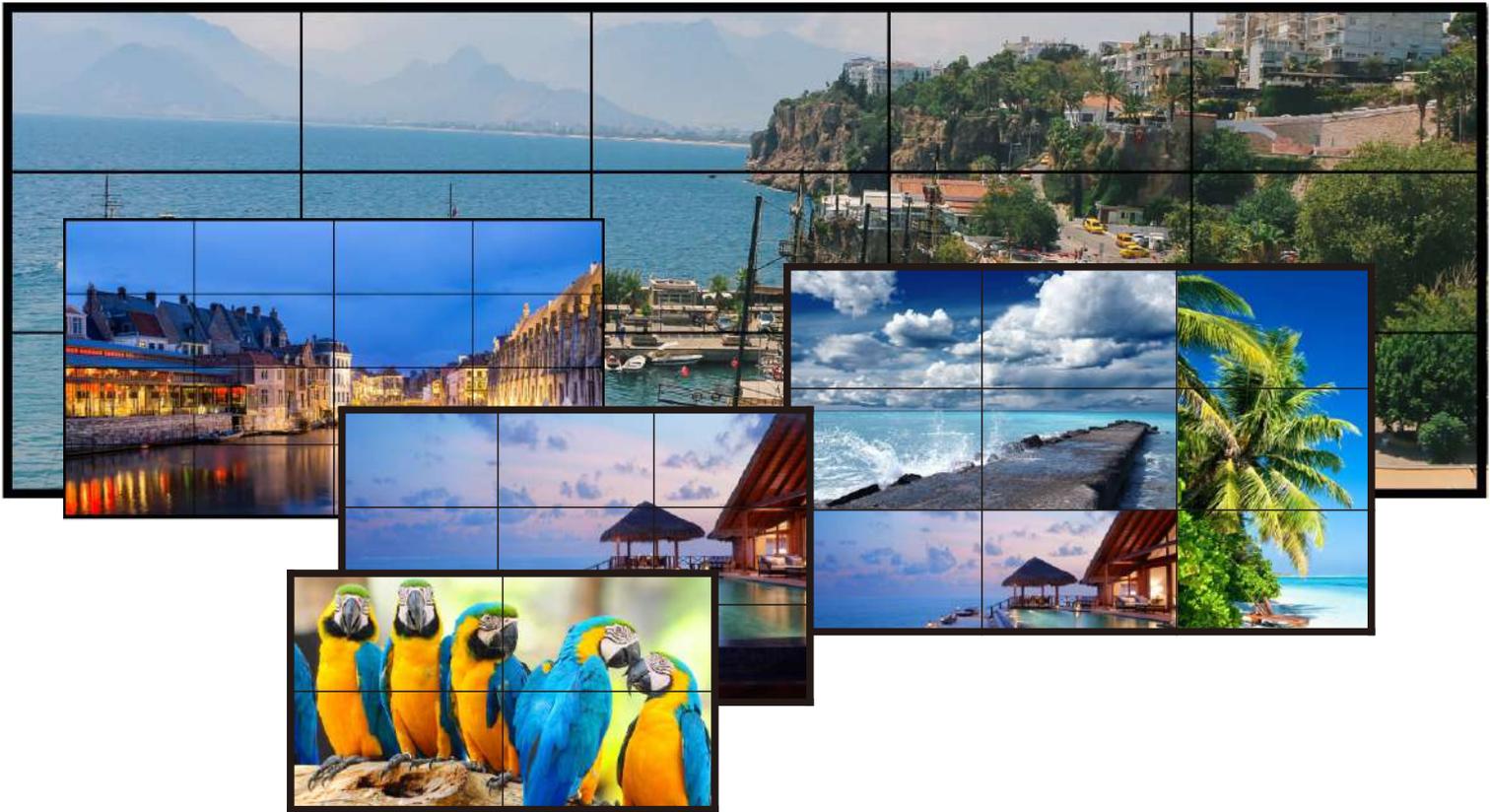


VKL

Video Wall Controller

Powerful Video and Image Processing Device





VKL

VKL video wall controller is new generation professional video image processing product which is based on the development of multi-windows, ultra-high definition and visual display control technology. Compare to other video wall controller in the market, VKL supports ultra-high single-channel bandwidth, reaching 6.5G,so that there is a significant advantage on the processing speed and professional display control. Adopt RS232+LAN interface control, and configure DVI and HDMI input/output boards,support up to 128 scene save and recall,to meet a variety of professional system application requirements.



VKL

Video Wall Controller

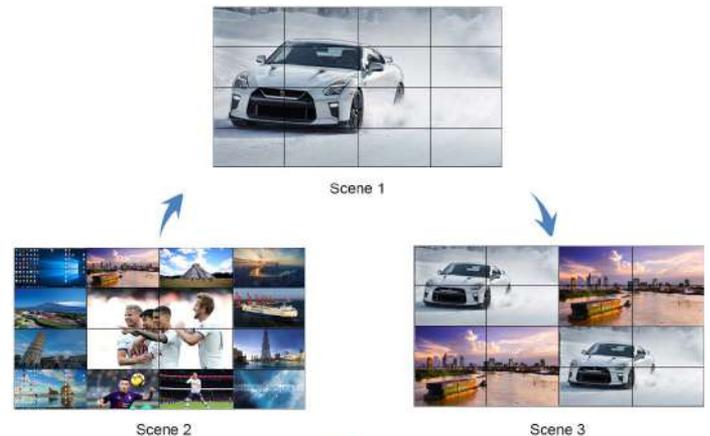
FEATURES

- Pure-hardware FPGA Array, modular design, parallel video processing hardware systems;
- Hot-swappable for I/O modules, control modules, easy to upgrade and maintenance;
- DVI , HDMI input and output;
- Opening 2 windows on each one screen;
- Up to 4 video wall groups control on single controller and work with variety of display terminals such as LCD, DLP, projector;
- Scene management, including save, switch, recall, recycle,Maximum support 128 scenes;
- Variety of control methods such as RS232, Network and compatible with third party control system;
- Multi-user control management, software can be set through the operation authority, according to the authority level to develop different operating functions, different levels, different operating privileges, and can be set at any output authority range;
- C/S visualization control platform, support roaming, overlay, zoom in/out, multi-window switching;
- Picture-in-picture, signal clip and a variety of display modes such as split screen, full screen and combination screen;
- EDID, customize the output resolution according to the physical resolution of the display system;

RELEVANT FUNCTION INDICATION



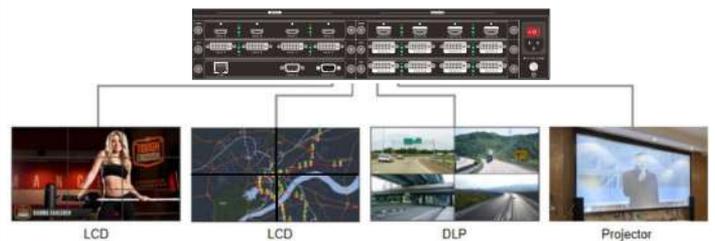
• Signal Clip



• Scene Switching

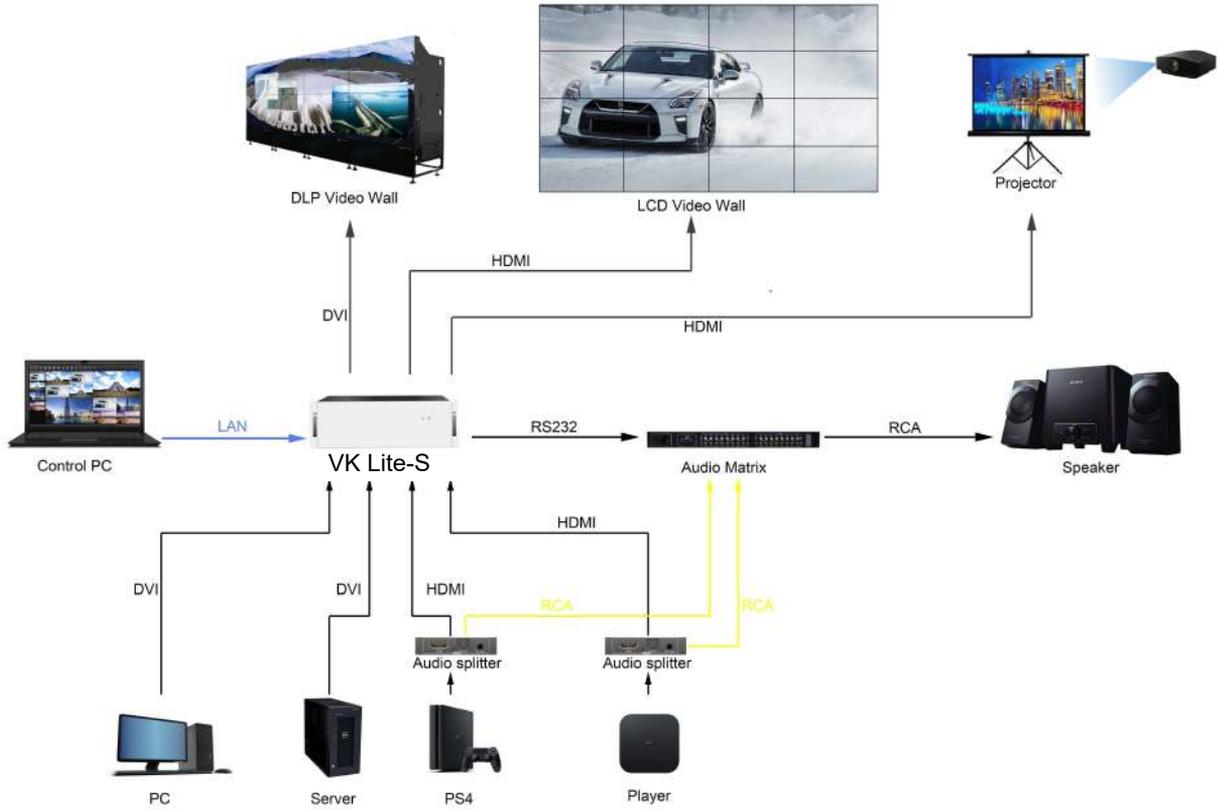


• Third-party Control



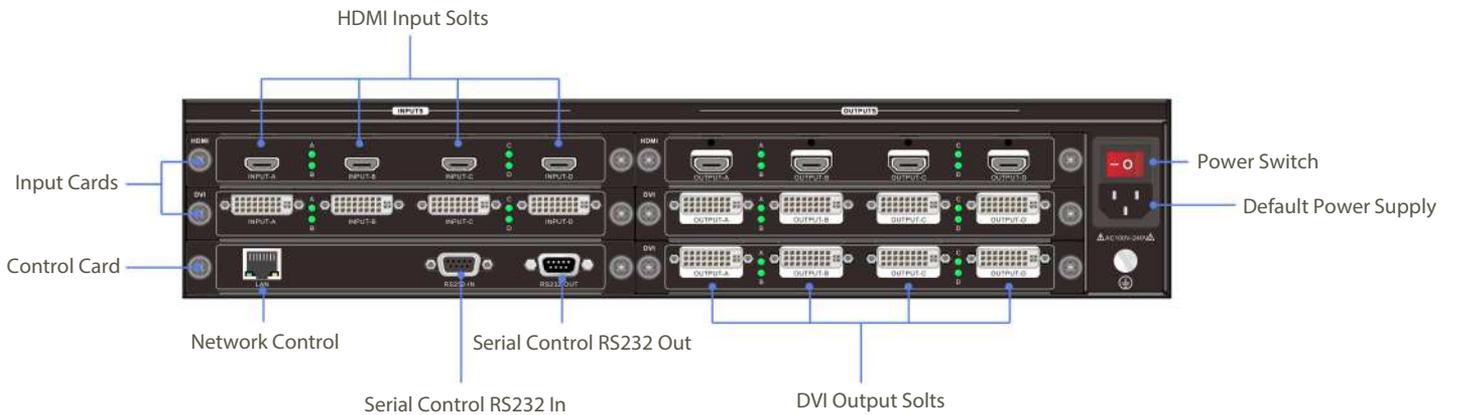
• Multi-group Control

DIAGRAM



Input: DVI/HDMI | Output: DVI/HDMI
 Control: serial, network, third-party control system etc.

PRODUCT STRUCTURE



INPUT CARDS



Quad-Channel DVI Input Card



Quad-Channel HDMI Input Card

OUTPUT CARDS



Quad-Channel DVI Output Card



Quad-Channel HDMI Output Card

SPECIFICATIONS

| Device size | 2U | | 3U | |
|--------------------|-------|--------|-------|--------|
| | Input | Output | Input | Output |
| 2 Windows / Screen | 8 | 12 | 20 | 16 |

| | | |
|------------------------------|-----------------------------|---|
| Product Hardware Information | System structure | Pure hardware FPGA architecture |
| | Start up | <8s |
| | Operating system | No CPU and operating system |
| | Board type | Pure hardware pluggable, hot-swappable structure |
| Input/Output Signal | Input type | DVI,HDMI |
| | Input channel | 1080P up to 20 channels |
| | Output type | DVI,HDMI |
| Image Processing | Output channel | 1080P up to 16 channels |
| | Display mode | Roaming, overlay, zoom in/out, multi-windowing, scene switch, PIP, full screen and combination screen |
| | Scene/Signal switching time | Millisecond-level switching |
| | Number of signal copy | Up to 16 |
| | Max input resolution | 1920*1200@60Hz |
| | Max output resolution | 1920*1200@60Hz |
| | Single-screen window | 2 windows on one screen |
| | Hot-swappable | Support |
| | Control structure | Software /Hardware |
| | Maximum scenes | 128 |
| Control Function | Control method | RS232/Network and compatible with third party control system |
| | Management mode | C/S |
| Stability | Safety | Hardware structure, no virus interference |
| | Continuity | 365 days, 7x24 hours operation |
| Working Environment | Operating temperature | -15~60℃ |
| | Storage temperature | -30~75℃ |
| | Operating humidity | 10 to 90% without condensation |
| | Storage humidity | 5~95% without condensation |
| | | |
| | | |
| | | |

iSEMC

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