

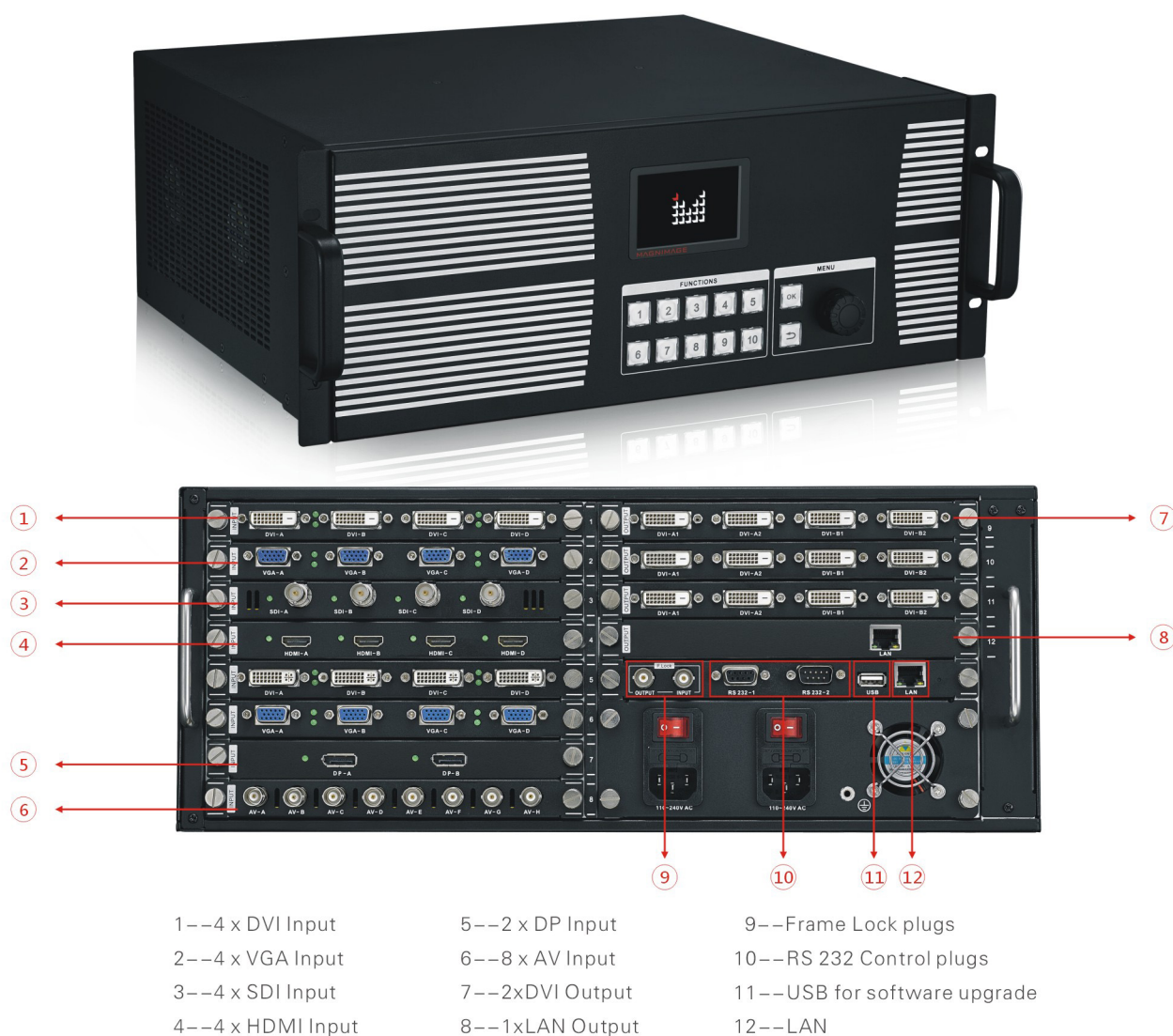
MIG-CL9000

Cyclone video wall controller is a high-performance image processing device with pure hardware architecture, which is specially designed for LED video wall with small pixel pitch. Cyclone video wall controller can realize seamless splicing and multi-layers functions, and it can be used in security monitoring, administration, military, exhibition, research and education.

Cyclone video wall controller adopts hardware architecture on basis of high speed and capable FPGA array, and digital bus matrix. For all kinds of inputs sources, cyclone series video wall controller ensures original signal recovery by adopting RGB 24bits/60Hz internal processors, ensures high quality image output without delay and supports seamless splicing for multi-screens outputs by using a built-in high-performance image scaling engine. Cyclone video wall controller supports various input sources, including AV, DVI, VGA, HDMI and DP, SDI, IP camera. It also supports 4K*2K inputs, EDID management for input sources.

Cyclone video wall controller adopts dual-DVI outputs, one program connected to the LED screen another is used for monitor, or 2 programs can be connected to the sending card for cascade control. Supporting customized output resolutions based on LED screens with different resolutions, it can realize pixel to pixel splicing display and realize LED screens splicing with different pixel pitches. All the output ports support built-in pixel to pixel HD native background.

All Cyclone series video wall controller are designed with built-in standard associative modularity, which support online upgrade and internet remote control, making technical supports and after-sale maintenance convenient.

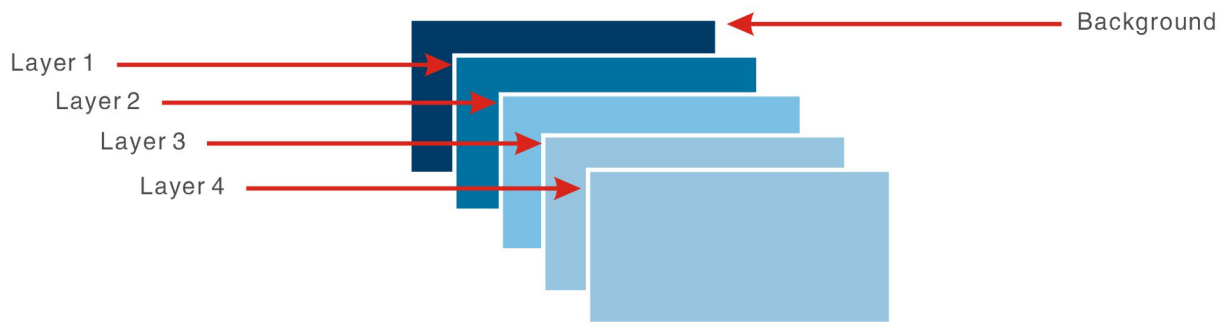


Product function

- ✦ FPGA hardware architecture
- ✦ Support 4 independent layers per output
- ✦ Support splicing for over 8 times scaled
- ✦ Support different pixel pitch LED screen splicing
- ✦ Internal 24 bit RGB processing
- ✦ 60Hz real-time processing
- ✦ Input signal EDID management
- ✦ 4K*2K inputs
- ✦ Seamless switching
- ✦ Layer grouping function
- ✦ Fade effect among any layers
- ✦ 9 mosaic windows per output
- ✦ Full screen roaming window
- ✦ Customized output resolution
- ✦ Input/Output preview
- ✦ Supports pixel to pixel display HD native background
- ✦ DVI duplicates outputs card design
- ✦ Dual power for backup
- ✦ Live monitoring of system operation
- ✦ Real time monitor via TCP/IP

Function description

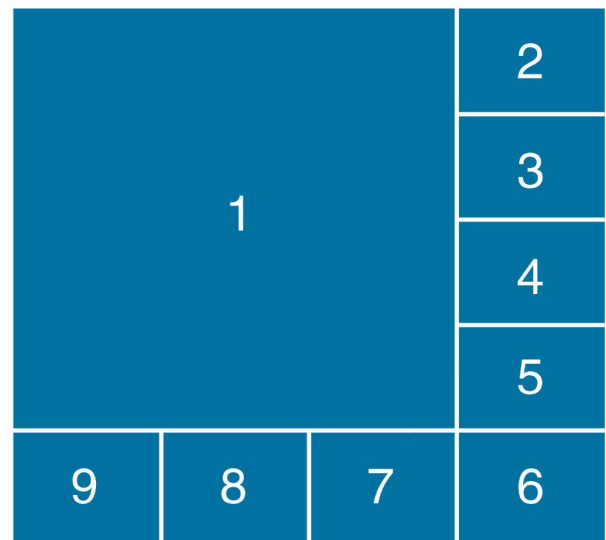
- ✦ Support 4 independent layers per output



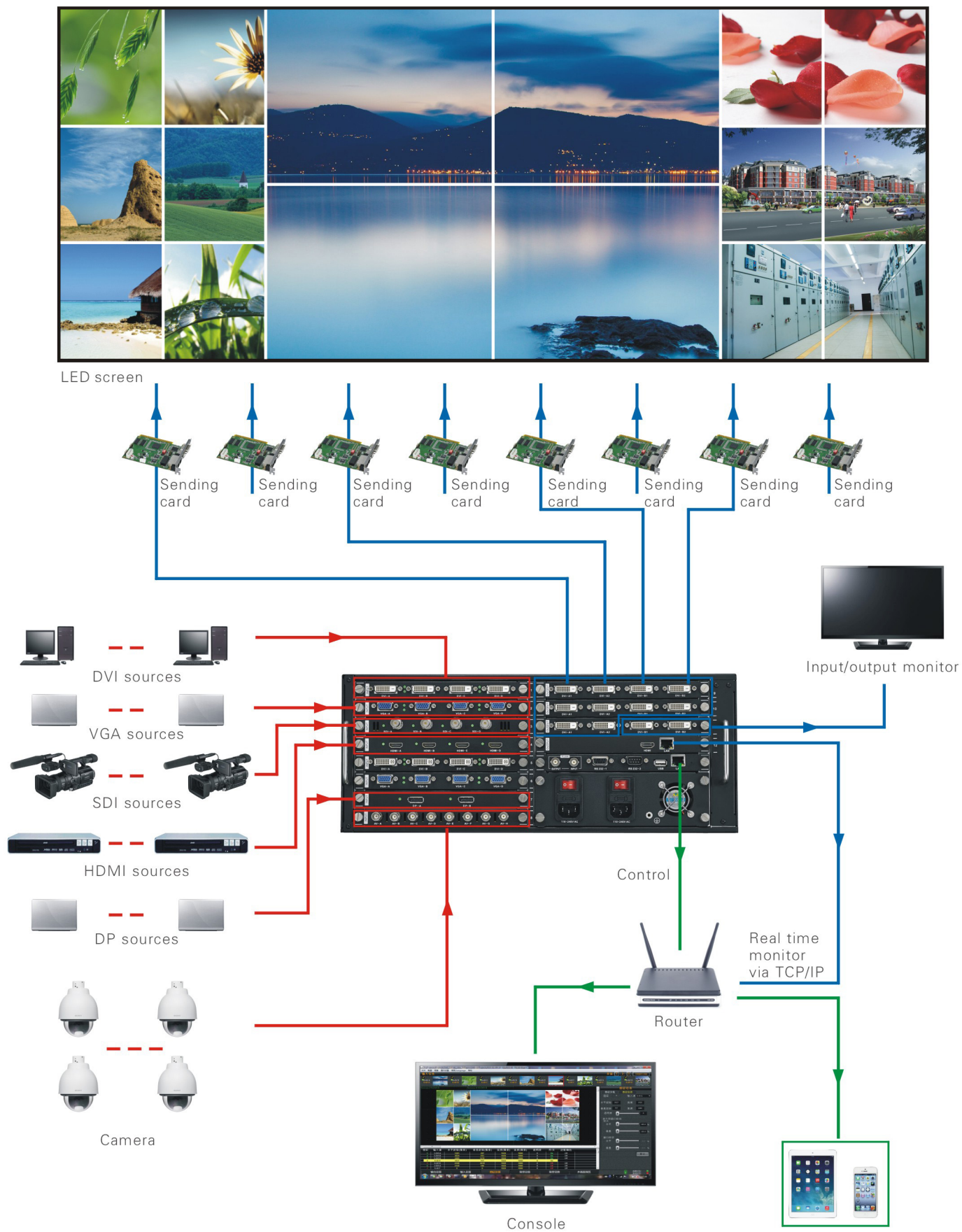
1HD background+4 independent layers

Each output supports 4 independent overlays, layers, size and sequence can be freely set. Any input sources can be set for each layer. Background of each output can be set with 3 HD images.

- ✦ 9 mosaic windows per output



Schematic



Specification

Console specification

Item Number	MIG-CL9004-A	MIG-CL9004-B	MIG-CL9004-C
Slots			
Input slot Qty.	8	6	4
Output slot Qty.	4	6	8
Control slot Qty.	1	1	1

Input card specification

Input card type	Channels	Resolution Specification
DVI	4	VESA
HDMI	4	HDMI 1.3
VGA	4	VESA
AV	8	PAL、NTSC、SECAM
DP	2	Displayport1.1/1.2
SDI	4	480i/p、576i/p、720i/p、1080i/p(3G SDI)
IP	2	

Output card specification

Output card type	Channels	Resolution Specification
DVI	2x2	800×2600/60Hz、1024×768/60Hz
		1080×2160/60Hz、1200×1600/60Hz
		1280×1024/60Hz、1366×1600/60Hz
		1440×1440/60Hz、1600×1200/60Hz
		1920×1080/60Hz、2048×1050/60Hz
		2200×960/60Hz、2600×800/60Hz
		Customized output resolution
IP	1	

Console specification

Power supply	100 ~ 240V AC 50/60Hz
Power consumption	350W
Operation temperature	0 ~ 45°C
Product dimension (L×W×H)	482.6×380.5×117.0mm
N.W.	8.5kg

Product dimension Unit:mm

