

# BR60 Series

## Video Wall Controller

Powerful Video and Image Processing Device





# BR60 Series Video Wall Controller

Br60 Series video wall controller is new generation professional 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, BR60 series has upgraded its system capacity and use 6.25G base exchange processing chip, so that there is a significant advantage on the processing speed and professional display control. Meanwhile, BR60 series controller supports multiple services, density of I/O interfaces and long term reliability. It is an all-in-one product which has real 4K@60Hz input and output processing, soft KVM, IP-Video Decoding, Scene preset, Log management, User management and other advanced applications to meet a variety of professional system application requirements.



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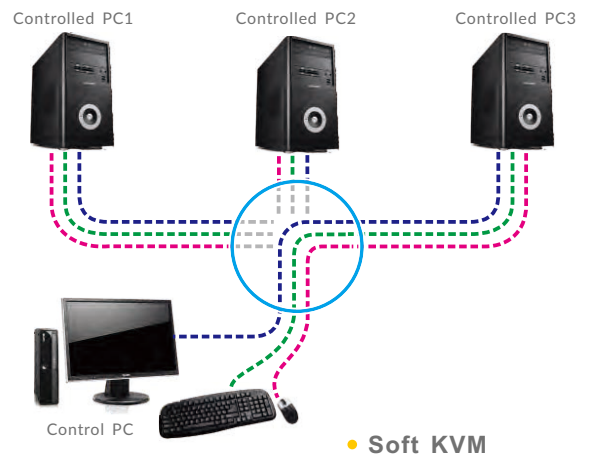
## FEATURES

- Pure-hardware FPGA Array, modular design, 6.25G/s base exchange processing speed;
- Hot-swappable for I/O modules, control modules, redundant power supply. Easy to upgrade and maintenance;
- VGA, DVI, HDMI, CVBS, DP, SDI, HDbaseT, IP-Video, Fiber input sources and VGA, DVI, HDMI, SDI, CVBS, HDbaseT, Fiber output;
- 4K@Hz DP/HDMI input and 4K@30Hz HDMI output;
- HDCP2.0 for HDMI input and output;
- Opening at least 8 windows on each two screens;
- Up to 16 video wall groups control on single controller and work with variety of display terminals such as LCD, LED, DLP, projector;
- Scene management, up to setup and display 255 scenes;
- Integrated with hybrid matrix function, output windows switching, friendly to system integrator;
- Input source previewing and monitoring (refresh rate 24-30Hz);
- Variety of control methods such as RS232, Network, Keypad 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;
- VGA/DVI/HDMI mixture on single input card and VGA/DVI/HDMI mixture on single output card;
- B/S and C/S dual mode 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;
- Mobile visual management applications, support PAD (IOS & Android);
- Soft KVM function, control input PC by control software;
- EDID, customize the output resolution according to the physical resolution of the display system;
- Advanced image decoding technology, compatible with a number of manufacturers' IPC signal and seamless access with variety resolutions such as 1080P, 720P, etc.
- Built-in server, Can realize multi-user, synchronous control, WEB control, preview and echo functions.
- Support running text and background image function;

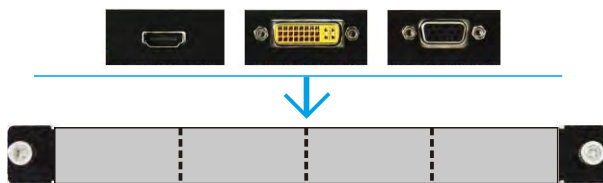
## RELEVANT FUNCTION INDICATION



- Real 4K input 3840 x 2160 @ 60Hz



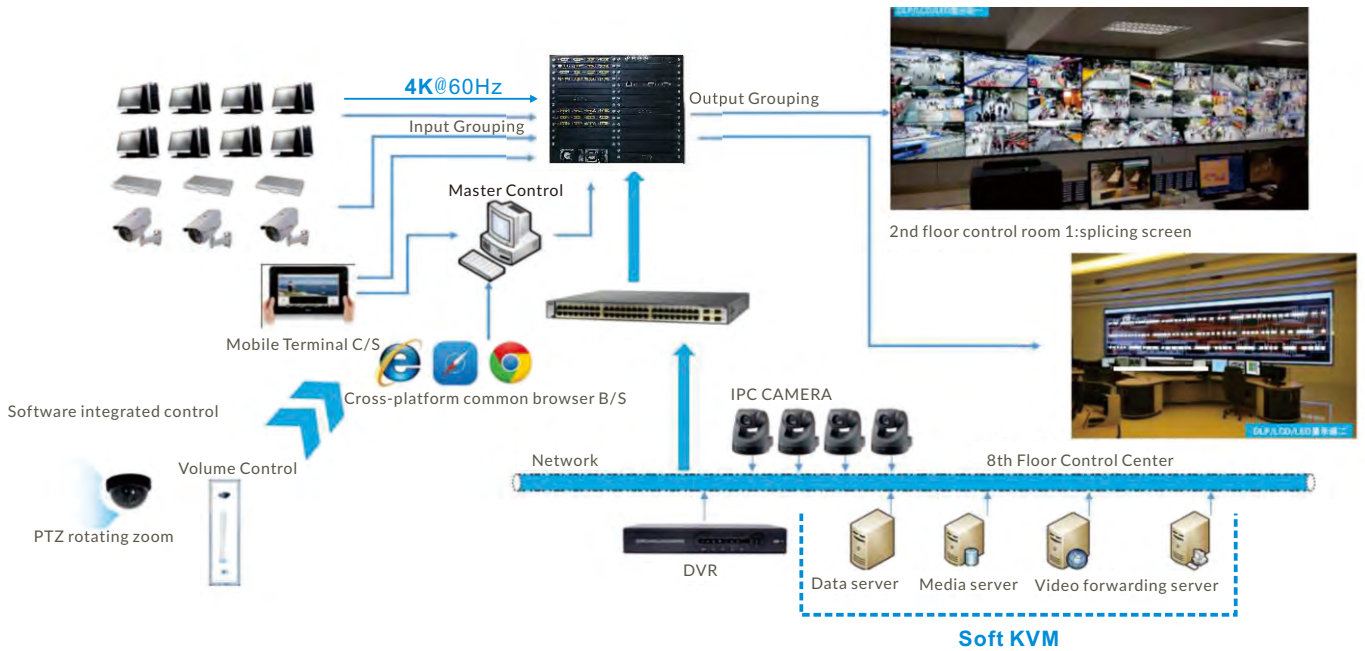
- Soft KVM



- VGA/DVI/HDMI/ mixture

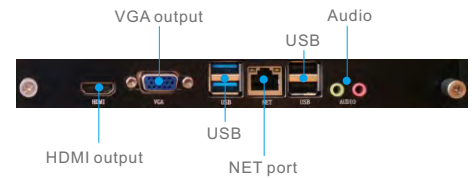


- Matrix Function



Input:VGA/DVI/HDMI/SDI/CVBS/Duallink-DVI/IP-Video/DP/HDBaseT/Fiber  
 Control:serial,network,third-party control system,ipad etc.  
 Output:DVI/HDMI/VGA/SDI/4K HDMI/HDBaseT/Fiber;

### Built-in Server



## INPUT CARDS



Quad-Channel DVI Input Card



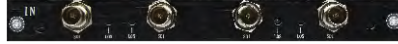
Quad-Channel VGA Input Card



Quad-Channel HDMI Input Card



Quad-Channel DP Input Card



Quad-Channel SDI Input Card



8-Channel CVBS Input Card



4K Dp x2 / 4K HDMI x2



Dual-Link DVI Input Card



Dual-Channel IP Input Card



Quad-Channel HDBaseT Input Card



Quad-Channel Fiber Input Card

## OUTPUT CARDS



Quad-Channel DVI Output Card



Quad-Channel VGA Output Card



Quad-Channel HDMI Output Card



Quad-Channel SDI Output Card



Quad-Channel CVBS Output Card



Quad-Channel HDBaseT Output Card

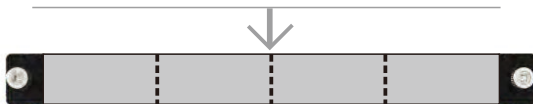


Quad-Channel Fiber Output Card

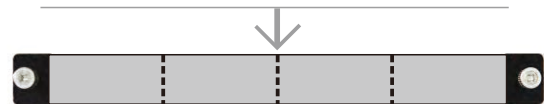


Dual-Channel 4K HDMI Output Card

## MIXTURE CARDS



Quad-Channel Mixture input Card



Quad-Channel Mixture Output Card

## CONTROL CARDS



Control Card A



Control Card B  
(With Signal Preview)

## REDUNDANT PSU



# SPECIFICATIONS

Device size	4U		8U		16U		16UA		16UB		24U		32U(Double)	
	Input	Output	Input	Output	Input	Output	Input	Output	Input	Output	Input	Output	Input	Output
Slots	4	4	9	8	20	20	29	15	15	29	40	40	80	80
Redundant PSU	1+1		1+1		2+2		2+2		2+2		2+2		8+8	

Product hardware information	System structure	Pure hardware FPGA architecture
	Start up	<15s
	Operating system	No CPU and operating system
	Board type	Pure hardware pluggable, hot-swappable structure
Input/Output Signal	Input type	VGA,DVI,HDMI,DP,CVBS,SDI,HDBaseT,IP-Video,Fiber
	Input channel	1080P up to 320 channel,4K up to 160 channel
	Output type	VGA, DVI, HDMI, CVBS, SDI,HDBaseT,Fiber
	Output channel	1080P up to 320 channel,4K up to 160 channel
Image processing	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	3840*2160@60Hz
	Max output resolution	3840*2160@30Hz
	Single-screen window	At least 8 windows on each two screens
	Hot-swappable	Support
	Power supply configuration	N+1 redundant power supply structure
	Signal preview	Support
	Soft KVM	Support
Control function	Control structure	Software /Hardware
	Maximum scenes	255
	Control method	RS232/Network/Touch screen/Keypad and compatible with third party control system
	Management mode	B/S, C/S, Mobile
	Matrix control	Supports digital /analog matrix linkage control
Stability	Safety	Hardware structure, no virus interference
	MTBF	50000h
	Continuity	365 days, 7x24 hours operation
Working environment	Operating temperature	-15~60°C
	Storage temperature	-30~75°C
	Operating humidity	10 to 90% without condensation
	Storage humidity	5~95% without condensation

