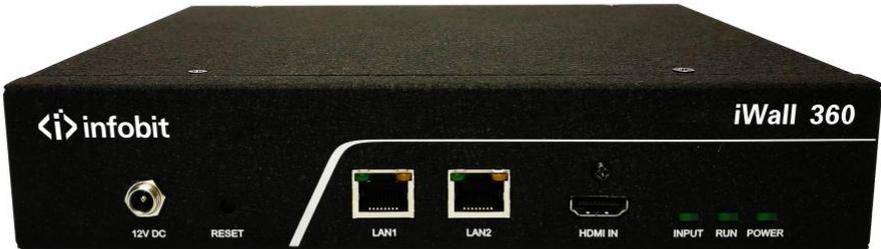


iWall 360

HDMI 4K Creative Video Wall Controller



PRODUCT SUMMARY

The iWall 360 creative video wall controller is a high-performance signal controller developed by INFOBIT, a world class multi-screen controller developer. iWall 360 allows much greater freedom in creating and deploying any scale signage projects.

The system supports single HDMI 4K signal input and flexible displays on 4 monitors through 4 HDMI outputs. It can show any part from the original input image, rotate each output independently at any angle, supports horizontal and vertical display integration and supports multiple cascades to enable single sources to be delivered to more output channels.

Adopting pure-hardware PFGA architecture with self-developed core algorithm provides iWall 360 processor with excellent image processing performance. Having abandoned operating system prevents iWall 360 from crashing, blue screen, and viruses which software architecture often suffers from. Its high stability 24x7 continuous operation and meets the increasingly strict demand of market.

FEATURES & BENEFITS

1. Unlimited Creative Configuration

Each output of iWall 360 can be rotated on any degree individually, which breaks the tradition M*N video wall layout. With iWall 360, you can design your multi display system in a more creative way with a mix of landscape and portrait monitors. The friendly management software of iWall 360 will assist you create the layout with easy steps.

2. 4K UHD Resolution

iWall 360 allows up to one 4K UHD video signal input to four HD 1080p outputs. This astonishing resolution and the bezel compensation function brings spectacular vision experience to everyone.

3. Any Degree Rotation

iWall 360 support 360-degree rotation, users can define the rotation of the signal source of any degree.

4. Infinite Cascading

Multiple iWall 360 can be using together as a cascading system, which supports video walls more than 4 monitors and allows the input resolution reaches much higher than 4K. Meanwhile, cascading provides frame locking between devices which ensures the perfect synchronization of video wall performance.

5. Real Stand-Alone Operation

iWall 360 can adapt to changes in signal sources by adjusting all the scaling factors.

6. HDCP Compliance

HDCP1.4 support on both inputs and outputs.

7. Signal Cropping

iWall 360 support signal cropping function, which allows partial display.

8. Bezel Compensation

iWall 360 support bezel compensation, which can make the picture seems more natural.

9. Pixel Pitch Adjustment

iWall 360 support pixel pitch adjustment, this can be applied in the LED walls

with different pixel pitch.

10. Output Test Mode

iWall 360 support output test mode, users can choose picture or video to do the display test.

11. Border Setting

iWall 360 support setting the parameter of the borders, including the top, bottom, left and right.

12. Control Method

Network interfaces of iWall 360 allow platform independent control. iWall 360 used dual ethernet port to allow user have a quick connection and management of multi -devices. Only one iWall 360 required to physical connected in LAN, and other iWall 360 can cascade by using second ethernet port by daisy chain.

13. Audio Transmission

iWall 360 supports 3.5mm analog audio transmission, there is an audio port on each controller, which makes audio transmission available in the system.

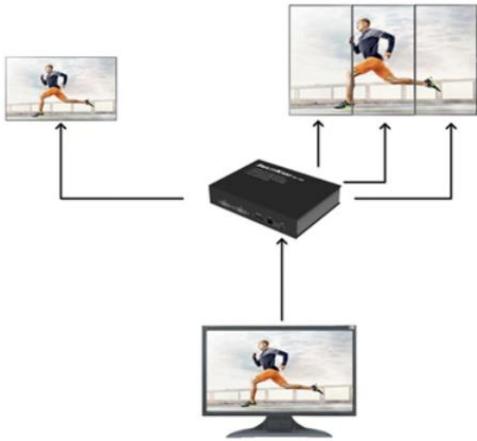
14. Easy Firmware Upgrading

FPGA iWall 360 allows easy firmware upgrading, which is very convenient for version or function update and maintenance.

IMAGE



SYSTEM DIAGRAM



PARAMETERS

Parameters	
Processor	FPGA architecture, with no built-in x86/x64 architecture, which enables a higher computational accuracy and operational stability.
Starting time	(Time interval from pressing the starting button to there are images on the screen) ≤10s.
Input Resolution	3840*2160@30, 3840*2160@25, 2560*1600@60, 1920*1200@60 and downward compatible
Audio	Embed and analog audio.
Output Resolution	1920*1200@60 and downward compatible
MTBF	Mean time between failures > 96,000 hours.
Color Depth	32 bits

Bandwidth of control port	100M
Power Supply	110-220V AC
Seamless switch	Maximum transmission delay times \leq 15ms
Response time of opening windows	<15ms
Response time of calling a scene	<15ms