

# ADTESU S20 Video Wall Controller



## S20

### ≡ Product introduction:

ADTESU S20 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 matrix switcher in the market, S20 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, ADTESU S20 video wall controller supports multiple services and long term reliability. It is an all-in-one product which has monitoring control, scene preset, Log management, user management and other advanced applications to meet a variety of professional system application requirements.

### ≡ Features:

- Pure-hardware FPGA Array, modular design, 6.25G/s base exchange processing speed.
- Support HDMI sources self-adaption on single input card.
- Support HDCP 2.0 for HDMI input and output.
- Support opening 4 windows on single display.
- Support scene management, up to 64 scenes.
- Integrated with hybrid matrix function, output windows switching, friendly to system integrator.
- Support RS232, Network control and compatible with third party control system.
- Support roaming, PIP, overlay, zoom in/out, multi-window switching, signal clip and a variety of display modes such as split screen, full screen and combination screen.
- Mobile visual management applications, support iPad, Surface.
- Support EDID, customize the output resolution according to the physical resolution of the display system.

### ≡ Core technology:

Mini size suitable for small display video wall system; Support HDMI (4 inputs 8 outputs /8 inputs 4 outputs); Support IPAD control, flexible display modes such as picture in picture, zoom in/out, roaming, overlay, cross screen, etc.

## Specifications of ADTESU S20 Video Wall Controller

### Product Hardware Information

System structure	Pure hardware FPGA architecture
Start up	<15s
Operating system	No CPU and operating system

### Input/Output Signal

Signal type	HDMI 1.3
Channel	4 in 4 out, 4 in 8 out, 8 in 4 out

### Image Processing

Display mode	Roaming, overlay, zoom in/out, multi-windowing, scene switch, PIP, full screen and combination screen
Input resolution	1080p
Scene/Signal switching time	Millisecond-level switching
Number of signal copy	Up to 8
Single-screen window	4 windows on each two screens
Signal preview	Optional

### Control Function

Control structure	Software / Hardware
Control method	RS232/Network/Keypad and compatible with third party control system
Management mode	C/S, Mobile

### Stability

Safety	Hardware structure, no virus interference
MTBF	50000h
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

