MIG-MS200 Series
Multimedia server

MIG-MS200 is a new developed multimedia server with powerful function and stable performance. Adopt high performance CPU, mainboard, memory, power supply and other hardware, which supports three 4K×2K@60Hz videos or six 4K×2K@30Hz videos played smoothly while ensuring a steady working status.
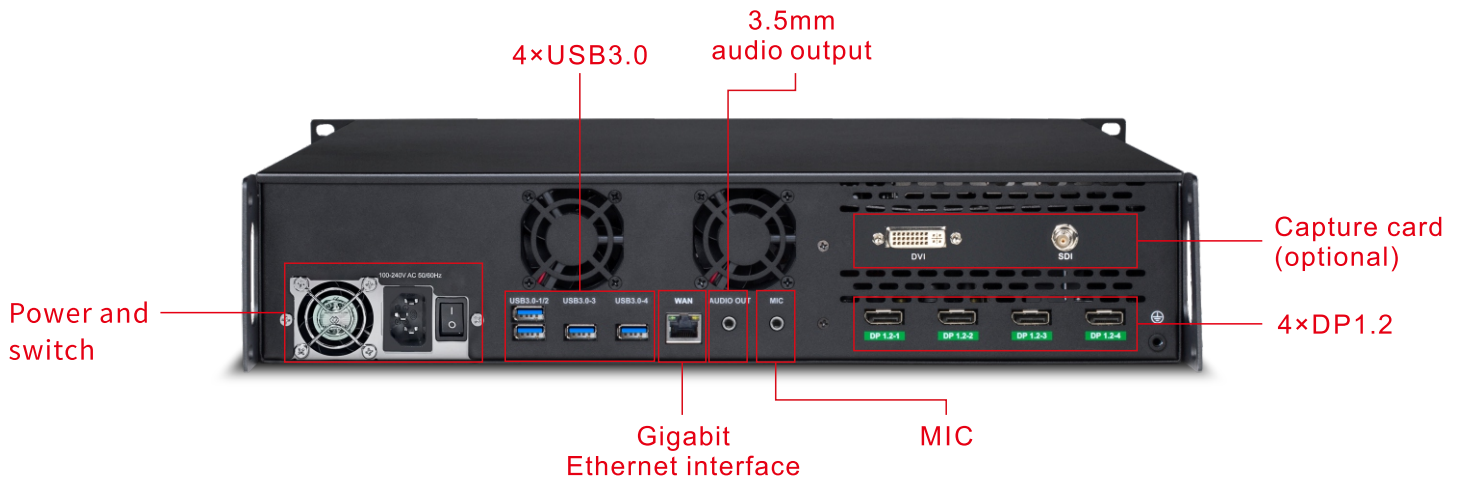
With MIG-MS200 Series you can select G4 or Creator R6 media software, which supports multi-layer input, unlimited scenes, preview switching, arbitrary scene jumping, special effect layer, time task function, real-time monitoring system information, multiple machine cascade control and external controls etc.

Strong video decoding capability, which can do 3 channels of 4K×2K@60Hz output, it is applicable for big resolution pixel to pixel display. The simple and convenient operation brings great improvement of work efficiency for the majority of industry personnel.
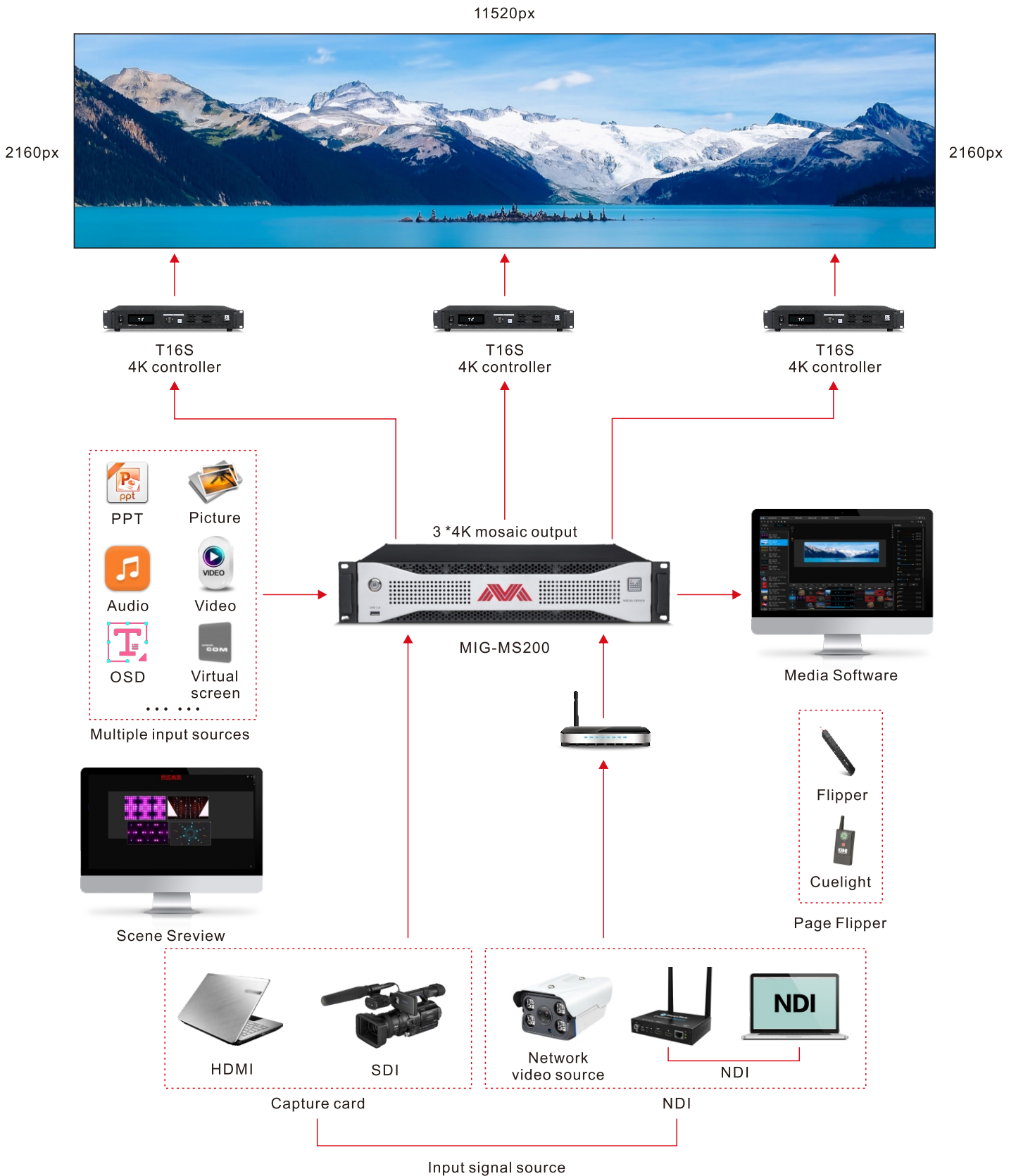
Features

- 3 channels of 4K×2K@60Hz mosaic output,support custom in range
- One key setting output
- Support playback of audio, video and picture files in various formats
- Virtual amplification of output port
- Virtual screen
- Arbitrary scene jumping
- Communication protocol
- MIDI keyboard, PC keyboard and MIG-EXK200 keyboard external control
- Shortcut playback
- Backup function of host and standby machine
- Downward compatibility of software documents
- Capture card function
- PPT supports WPS and Office
- Left and right channels,stereo channels
- Customize beginning and ending time of audio and video
- Layer properties polygon effect
- Spout input/output
- Custom scene layer template
- Layer arbitrarily marshalling

- HAP Q code, built in transcoding tool
- Continuous scenes loop playback,layers can be played in sequence
- Automatic software update
- Drag files and folders in signals list
- Change playback time in batch
- OSD subtitile scrolling and background customization
- Artnet protocol control,OSC protocol control
- Support HDR video playback
- Support hardware decoding
- PPT turn-page function, support Cuelight flipper
- Support NDI aquisition box
- One key drop out, one key static frame
- Custom duration of material (except video)
- Custom configuration master layer
- Custom layer mask
- Main KV switch
- One key lockdown software
- Preview switching
- Multiple machine cascade control
- Real-time monitoring system information
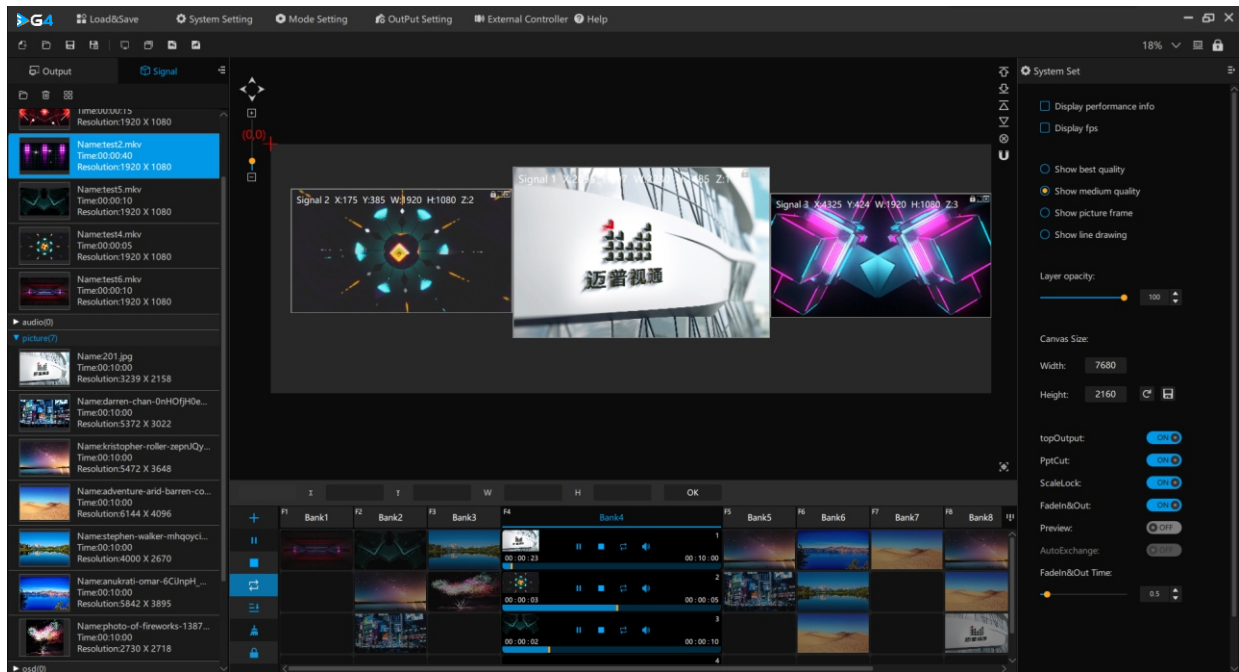- Time task function

◻ Panel Introduction

Power switch

USB3.0

4×USB3.0

3.5mm
audio output

Capture card
(optional)

Power and
switch

4×DP1.2

Gigabit
Ethernet interface

MIC

◻ **Support 3 channels DP mosaic output, 12K×2K pixel to pixel mosaic in range**

11520px

2160px   2160px

T16S
4K controller

T16S
4K controller

T16S
4K controller

3 *4K mosaic output

PPT   Picture

Audio   Video

OSD   Virtual
screen
• • • • • •

Multiple input sources

MIG-MS200

Media Software

Flipper

Cuelight

Page Flipper

Scene Sreview

HDMI   SDI   Network
video source   NDI

Capture card   NDI

Input signal source

⬜ Humanized Design, Convenient Operation

Media Software has user-friendly design of the operation interface, users can quickly get familiar with every function, it can be automatically list all video output ports of the running host machine, support console control and free-form decoding.

⬜ Rich video source and capture card functions

Compatible with all current playback material formats, including video, audio, picture, PPT, OSD, NDI and network video source material. Support the simultaneous acquisition of multiple camera signals, PPT page turning function, to meet the different control needs.
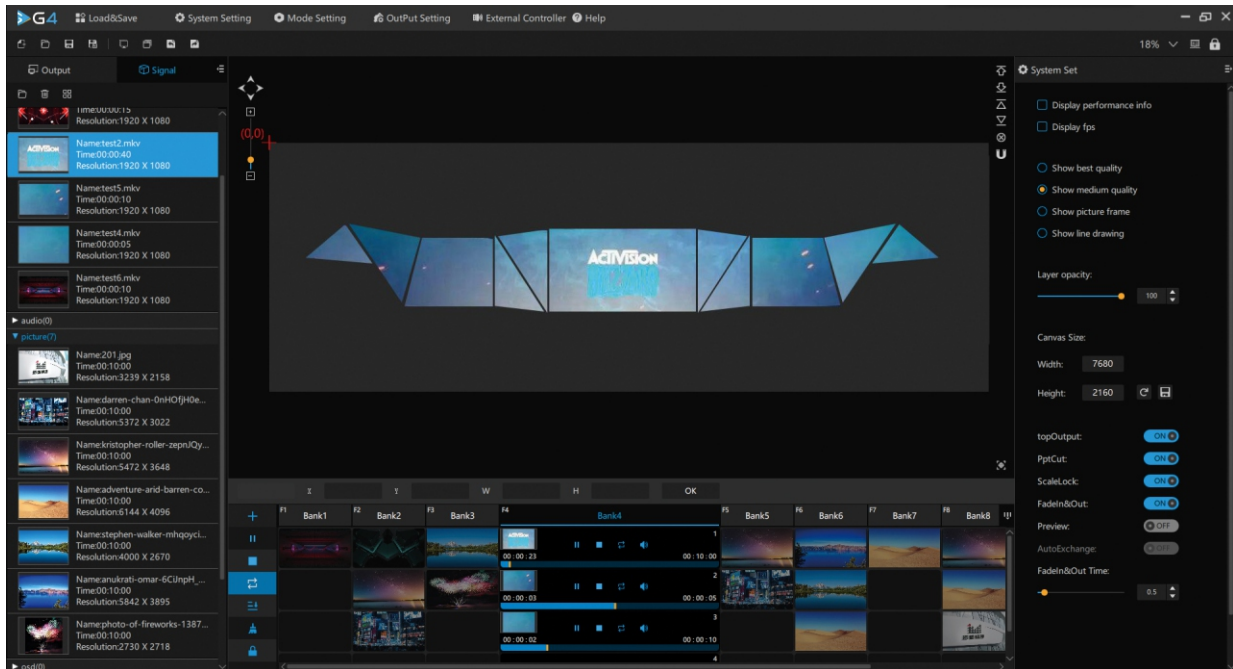
⊡ Fast editing, powerful function

Using picture editing and layer mode operation, fast and accurate editing, preview and positioning of various video sources, it supports color adjustment, image setting, special-shaped editing, angle selection and other functional settings of the video screen.

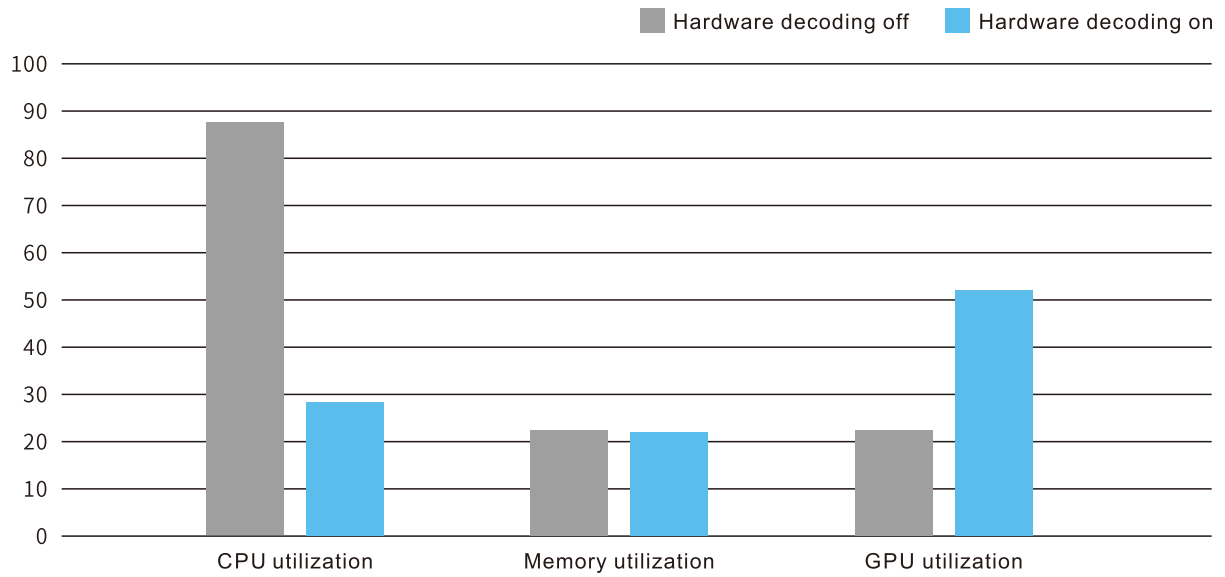## ⊡ Real time preview function

It supports the real-time preview function for video playing, which helps you preview the video picture quickly and accurately.

⬦ Main Features and Applications

⬚ Hardware decoding

Through GPU decoding, reduce CPU pressure, improve computer operation fluency, and prevent play jam.

Legend: Hardware decoding off (gray) / Hardware decoding on (blue)

Chart — Y axis: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100; X axis categories: CPU utilization, Memory utilization, GPU utilization

⬚ HDR

No back-end device is needed to support HDR, and HDR playback effect is achieved directly through media server software.

HDR on

HDR off

⬚ Real time monitoring system status

Through the software real-time monitoring system running state to deal with the unexpected situation in time and ensure the stable operation of the software.

CPU utilization

Memory utilization

GPU 0 utilization

CPU temperature

GPU 0 temperature

⟋ Main Features and Applications

⬚ Timing switch

By setting the time task and playing the specified scene content at the specified time.

Scene 1	Scene 2	Scene 3

09:00 am	11:30 am	17:40 pm

⬚ Multiple control modes

It can be switched by means of communication protocol, MIDI, OSC, artnet, EXK200, etc. to facilitate centralized control.

LED Screen

Media Software

Communication protocol   MIG-EXK200   MIDI/OSC/ARTNET

Technical Parameters

Configuration (standard)

Output	DP1.2×3	3840×2160/60Hz and EDID
Operation Output interface	DP1.2×1	3840×2160/60Hz and EDID
CPU	i7-9700K	
Memory	16G	
Disk	500G	
Graphics Card	P2200	
Operation System	Win10 Pro	
Media Software	Bult-in Video Server Series Software	
Dongle	Video Server Series Software	

Description of Capture Card

Entended module	Port	Quantity	Specification	Note
MIG-GA-CP1D	SDI+DVI	2	VESA/3G-SDI	A single module include 1*DVI+1*SDI, choose one to use
MIG-GA-CP2S	2×SDI	2	3G-SDI	2 ports can be used at same time
MIG-GA-CP2H	2×HDMI	2	HDMI 1.2	2 ports can be used at same time

Entended SSD

Entended module	Port	Specification
MIG-GA-M500	M.2 NVME	500G
MIG-GA-M1T	M.2 NVME	1TB
MIG-GA-M2T	M.2 NVME	2TB

Specifications

Working voltage	100~240V 50/60Hz
Working humidity	30%~80%
Working temperature	0~40℃
Supported protocols	TCP/IP, UDP/IP
External control	MIDI/OSC/ARTNET/PC/EXK200
Chassis	2U
Weight	9.7kg
Power consumption	450W
Overall dimension(L*W*H)	482*528*88.8mm