



TS1020 Multimedia Server Specification

Update log

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V1.0	2025-9-23	editio princeps

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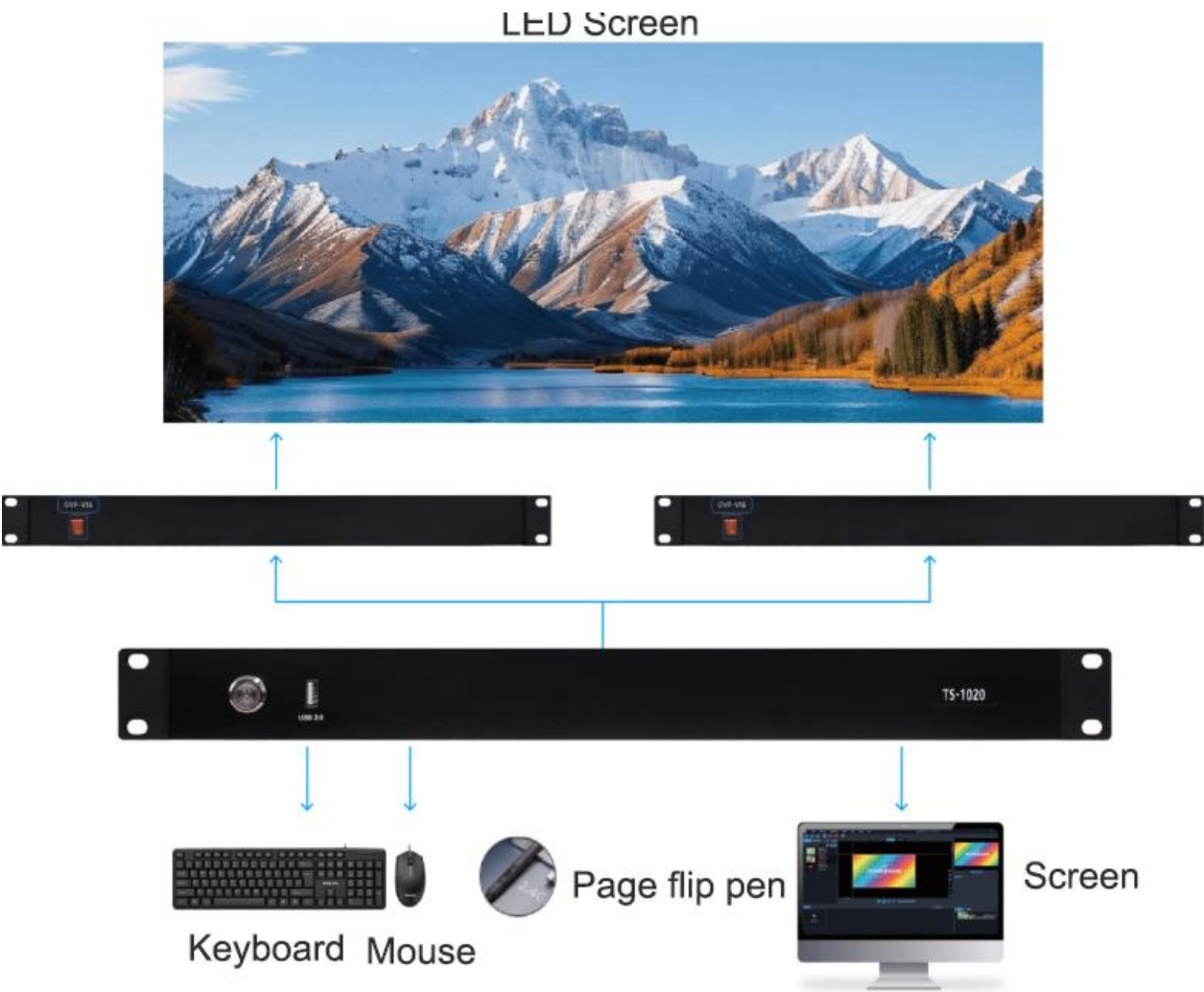
Product overview

The TS1020 is a premium multimedia server paired with ThinkShow broadcasting software, delivering robust control capabilities alongside excellent scalability and operational stability. Widely adopted in performance venues, creative exhibitions, and multimedia displays, it comprehensively addresses complex scenario requirements from visual presentation to full-process management. As the core technological backbone for live performances, exhibitions, and display applications, this system features industrial-grade hardware design and redundant architecture, ensuring 24/7 high-stability operation. Its resilient design withstands signal interference and load fluctuations in challenging environments, guaranteeing uninterrupted performance and exhibition operations.

Functional characteristics

- The single device supports 2-channel 4K@60Hz output with load, and supports video decoding and point-to-point display.
- Supports decoding 2 nos 4K@60fps videos.
- Supports both pre-edit and real-time editing modes.
- Visualize program scheduling and management.
- Media supports video, images, PPT, and audio.
- Supports batch import of media files and folders.
- Supports subtitles.
- Supports configuring playback material collections.
- Supports PPT control via a page-turning pen.
- Supports playback progress management.
- Supports program jump playback settings.
- Supports adjusting media width, height, and hierarchy.
- Support transition fade-in and fade-out effects.
- Support one-click screen blackout.

Application scenarios

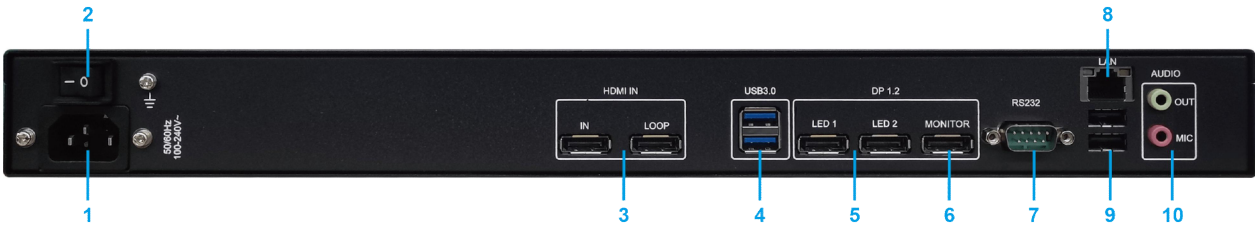


Product Parameter

Appearance Description



Front panel		
number	function	explain
1	mains switch	Switchgear power supply
2	USB	1 USB2.0 port for external devices such as keyboards, mice, and USB drives



Back panel		
Number	Function	Explain
1	Power interface	100~240V 47-63Hz, 3.5A
2	Turn on key	Turn device on and off
3	HDMI IN	4K capture card, optional accessories
4	USB	2xUSB3.0
5	DP1.2	2xDP1.2 ports, supports 4096×2160 resolution at 60Hz
6	PC/MONITOR	Connects to the monitor to display the system interface
7	RS232	control interface
8	LAN	RJ45 network port
9	USB	2xUSB 2.0
10	Audio interface	① Audio output ② Microphone input

Specifications

model	TS1000
processor	AMD 6-core 12-thread
System memory	16GB DDR4 RAM
caliche	M.2 NVMe 256G SSD
Video output interface	2xDP1.2
Maximum single-channel output	4096×2160@60Hz
Maximum output of the whole machine	8192*2160@60Hz
audio frequency	Audio output and microphone input
network	1GbE×1
Broadcast Control Software	ThinkShow
radiator	Silent fan
chassis	1U
working temperature	-10~55°C
Working humidity	5%-95%(non-condensing)
input voltage	100~240V AC, 47-63Hz, 3.5A

Media Parameters

type	form
video frequency	mp4、avi、mkv、flv、mov、wmv、mpefg
picture	Jpg、jpeg、bmp、png、gif、tif
Office	ppt、pptx、doc、docx、xls、xlsx、xla、xlt、xll、wks、et、dps、pdf

System backup

1. Enable backup:

Before turning on the device, repeatedly press Alt+F3 to enter the backup interface and start automatic backup.

2. Enable restore:

Before turning on the device, repeatedly press Alt+F4 to enter the recovery interface and start automatic recovery. Before turning on the device, repeatedly press Alt+F4 to enter the recovery interface and start automatic recovery.

Optional Accessories

Optional Accessories	name	parameter
4K capture card	TCH4K1	joggle : HDMI Input: HDMI IN-4K/60Hz (backward compatible) Loop-out: HDMI LOOP-4K/60Hz (backward compatible) Capture: 4K/60Hz (backward compatible)

Dimensional drawing

Unit: mm, tolerance: $\pm 0.1\text{mm}$

