F2

Multimedia Server

Version: v2.4
Release Date: July 2023

Specifications

Version record

Version	Change details	Release time
V1.0	First Edition Release	2018.11.12
V2.0	Modify device description	2020.12.15
V2.2	Modify Cover	2021.10.25
V2.3	Correct size data	2021.11.18
V2.4	Fix the resolution section in the description that supports video playback	2023.07.11

Overview

F2 Multimedia Server is an LED multimedia server developed and produced by KYSTAR Technology. It is an integrated broadcast control server specially designed for multimedia areas such as multimedia exhibition halls, banquet halls, and rental shows. The product has powerful functions, flexible and convenient operation, high stability and high cost performance.

F2 multimedia server can not only complete the large screen point-to-point display, but also can realize a variety of special-shaped screen display, with professional dance performance program arrangement function.

Function feature

- 4 channel DP outputs, achieve super big screen point to point
- 1 channelDVI monitor output
- Supports smooth playback of video images with a resolution of 7680 × 4320
- Supports hardware decoding, super rendering capabilities, and excellent playback performance
- Unlimited channels, automatic stitching and fusion
- Support projection correction fusion
- Support geometric deformation function, showing the effect of creative display
- Supports multiple connections to achieve cascading multiple devices with large screens
- Pre-planned pre-editing broadcast control, which can edit the pre-plan without affecting the output
- Virtual screen management, display port split, various special-shaped displays,

WYSIWYG in any layout

- Special effects superimposed to reshape the material, multiple special effects can be arbitrarily combined
- Unlimited video layer playback control
- Master-slave mode, multi-machine cascade to ensure frame synchronization
- Support separate output of multiple video and audio (optional)
- Support automatic backup of project editing to prevent accidental re-editing of projects on site
- Support NDI network screen capture
- Support PPT special effects playback control, support webpage and streaming media playback
- Arbitrary layout of function window modules, can save multiple layouts
- Cloud control system wireless control, not limited to control room control
- Material tree structure, plan group jump, time cropping, shortcut keys and other convenient functions
- Screen clone, material playback is fully synchronized
- Control commands support remote command control under UDP protocol
- Humanized panel design, real-time monitoring of operation status
- Support linkage control with splicer and console to achieve scene switching

Panel Description
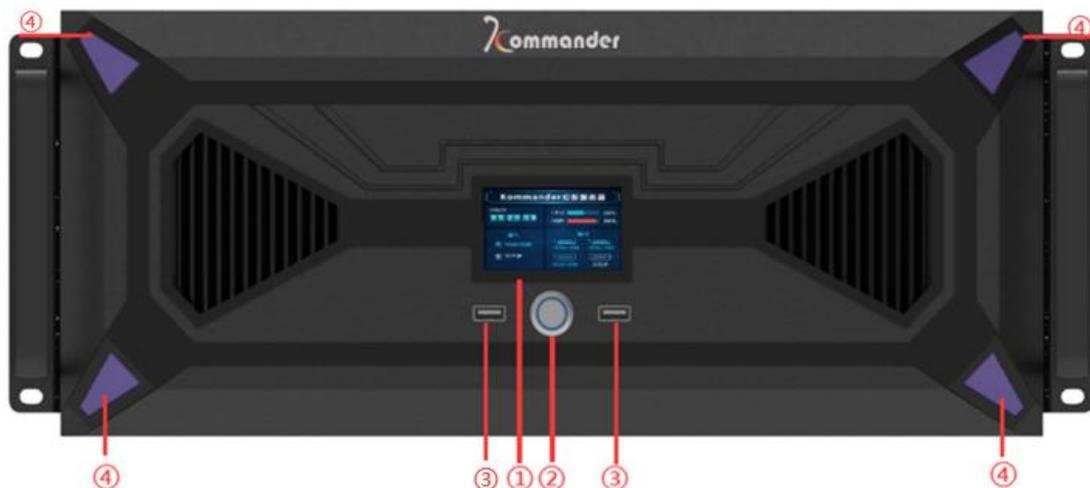
NO.	Function Dsecription
①	Full color LCD performance monitor
②	Power ON/OFF
③	USB3.0 interface
④	Front panel ambient light

Port specifications

Input port		
Type	Quantity	Specification
Audio	1	Microphone input

Output port		
Type	Quantity	Specification
DP	4	Max support 3840×2160@60Hz
DVI-Monitor	1	Max support 1920×1080@60Hz
Audio	3	Cannon audio output with internal isolation

Control port		
Type	Quantity	Specification
RJ-45	1	1000M
USB	6	USB3.0×6

Hardware configuration (standard configuration)	
CPU	Intel six-core high-frequency processor
Mainboard	Asus high performance mainboard
RAM	DDR4 16G high-speed RAM
hard disk	512G M.2 high-speed solid state drive (expandable)
Graphics card	Quadro 5G professional graphics card
Power	Server power
Audio	Canon interface, built-in audio isolation
Case	Kommander Custom case

Machine specifications	
Input power	100-240V AC~50/60Hz 0.6A

Operating temperature	0-45℃
Dimensions	558×436×177 （mm）
net weight	15KG
Machine power consumption	500W

Equipment size chart