



Introduction

The S-LEDPRO-MPLAY23 is a new generation of multimedia player created by Starview for full-color LED displays. This multimedia player integrates playback and sending capabilities, allowing users to publish content and control LED displays with a computer, mobile phone, or tablet. Working with Starview's cloud-based publishing and monitoring platforms, the S-LEDPRO-MPLAY23 enables users to manage LED displays from an Internet-connected device anywhere, anytime.

Support for multi-screen synchronous playback and synchronous and asynchronous modes makes this multimedia player a perfect fit for a wide range of applications.

Thanks to its reliability, ease of use, and intelligent control, the S-LEDPRO-MPLAY23 becomes a winning choice for commercial LED displays and smart city applications such as fixed displays, lamp-post displays, chain store displays, advertisement players, retail store displays, door head displays, shelf displays, and much more.

Features

Output

- Loading capacity up to 2,300,000 pixels
 - Maximum width: 4096 pixels, maximum height: 4096 pixels
 - Non-standard resolutions can be customized in both asynchronous and synchronous modes and the pixel clock of the custom resolutions cannot exceed 153 MHz.
- 4x Gigabit Ethernet ports
All these four ports serve as primary by default. Users can also set two as primary and the other two as backup.
- 1x Stereo audio connector
The audio sample rate is fixed at 48 kHz. If a multifunction card is used for audio output, audio with a sample rate of 48 kHz is required.
- 1x HDMI 1.3 connector
Maximum output: 1920×1200@60Hz and support for HDMI loop

Input

- 1x HDMI 1.3 connector
In synchronous mode, this connector is used as the video source which can be scaled to fit the entire screen automatically.
- 2x Sensor connectors
Connect to the brightness sensor or temperature and humidity sensor.

Control

- 1x USB 3.0 (Type A) port allowing for USB playback, firmware upgrade and storage expansion
- 1x USB (Type B) port connecting to the control computer for content publishing and screen control
- 1x Gigabit Ethernet port connecting to the control computer, a LAN or public network for content publishing and screen control

Performance

- Powerful processing capacity
 - Quad-core ARM A55 processor @1.8 GHz
 - Support for 4K video decoding
 - 1 GB of onboard RAM
 - 32 GB of internal storage
- Flawless playback
Support for playback of 1x 4K, 2x 1080p, 5x 720p, 6x 480p, or 6x 360p videos
Note: Videos with resolutions between 2K and 4K will be converted into 4K videos.

Functionality

- All-round control plans
 - Enables users to publish content and control screens from a computer, mobile phone, or tablet.
 - Allows users to publish content and control screens from anywhere, anytime.
 - Allows users to monitor screens from anywhere, anytime.
- Wi-Fi AP and Wi-Fi Sta can be turned on at the same time
 - Wi-Fi AP: User terminal devices can be connected to the built-in Wi-Fi hotspot of the multimedia player. The default SSID is "Model+Last 8 digits of SN" and the default password is printed on the SSID label.
 - Wi-Fi AP+Wi-Fi Sta: Users can connect the multimedia player to a Wi-Fi network and turn on the Wi-Fi hotspot at the same time.
- Synchronous and asynchronous modes
 - In asynchronous mode, the internal video source works.
 - In synchronous mode, the HDMI video source works.
- Synchronous playback across multiple screens
Enabling synchronous playback halves the number of videos that can be played simultaneously within the decoding capability of the device.
 - NTP time synchronization
 - GPS time synchronization (The specified 4G module must be installed.)
 - RF time synchronization (The specified RF module must be installed.)

For technical or sales support, please visit:

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Performance specifications are typical. Due to constant research, specifications are subject to change without notice. For the most up-to-date specifications, please contact an authorized Starview representative.

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- Support for 4G modules
 - The device ships without a 4G module. Users have to purchase 4G modules separately if needed.
 - Network connection priority: Wired network > Wi-Fi network > 4G network. When multiple networks are available, the device will choose a network according to the priority order.

Technical specifications

S-LEDPRO-MPLAY23

Electrical Parameters	Input power	100-240V~, 50/60Hz, 0.6A
	Maximum power consumption	18 W
	Recommended supply power	25 W
Storage Capacity	RAM	1 GB
	Internal storage	32 GB
Operating Environment	Temperature	-20°C to +60°C
	Humidity	0% RH to 80% RH, non-condensing
Storage Environment	Temperature	-40°C to +80°C
	Humidity	0% RH to 80% RH, non-condensing
Physical Specifications	Dimensions	274.3 mm × 139.0 mm × 40.0 mm
	Net weight	1230.4 g
	Gross weight	1650.0 g Note: It is the total weight of the product, accessories and packing materials packed according to the packing specifications.
Packing Information	Dimensions	385.0 mm × 280.0 mm × 75.0 mm
	Accessories	• 1x Wi-Fi omnidirectional antenna • 1x AC power cord
IP Rating	IP20 Please prevent the product from water intrusion and do not wet or wash the product.	
System Software	• Android 11 operating system software • Android terminal application software • FPGA program	

The amount of power consumption may vary depending on various factors such as product settings, usage, and environment.

Media Decoding Specifications

Image

Category	Codec	Resolution	Format	Remarks
JPEG	JFIF file format 1.02	64×64 pixels to 4096×2304 pixels	JPG, JPEG	Support for interlaced scan only Support for SRGB JPEG Support for Adobe RGB JPEG
BMP	BMP	64×64 pixels to 4096×2304 pixels	BMP	N/A
GIF	GIF	64×64 pixels to 1920×1088 pixels	GIF	At a resolution of 1280×720, the supported frame rate range is 1fps to 30fps. At a resolution of 1920×1088, the supported frame rate range is 1fps to 10fps.
PNG	PNG	64×64 pixels to 4096×2304 pixels	PNG	N/A
WEBP	WEBP	64×64 pixels to 4096×2304 pixels	WEBP	N/A

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Video

Codec	Resolution	Max Frame Rate	Max Bit Rate (Ideal Case)	Format
H.264	64×64 pixels to 4096×2304 pixels	30fps	80Mbps	MP4, AVI, MKV, MOV
H.265/HEVC	64×64 pixels to 4096×2304 pixels	60fps	100Mbps	MP4, MKV, MOV
MPEG4	64×64 pixels to 1920×1088 pixels	30fps	38.4Mbps	MP4, AVI, MKV, MOV
VP8	64×64 pixels to 1920×1088 pixels	30fps	38.4Mbps	MKV, WEBM
VP9	64×64 pixels to 4096×2304 pixels	60fps	80Mbps	MKV, WEBM

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