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SA-LB2K

LCD MULTIMEDIA PLAYER

Introduction

The SA-LB2K is an LCD multimedia player created by Starview. This multimedia player applies to LCD screens in advertising media, digital signage, commercial display and other fields.

Features

Output

- 1x HDMI connector

  Adaptive mode: The SA-LB2K automatically adjusts the playback window resolution according to the EDID of the LCD display.

- 1x Stereo audio connector

  The audio sample rate is fixed at 48 kHz.

Control

- 1x USB 3.0 (Type A) port

  Allows for USB playback, firmware upgradeand storage expansion.

- 1x USB (Type C) port

  Connects to the control computer for content publishing and screen control.

- 1x Fast Ethernet port

  Connects the control computer to the device, or connects to a LAN or public network for content publishing and screen control.

Performance

- Powerful processingcapacity
  - Quad-core processor @1.3 GHz
  - Support for decoding of 4K videos
  - 1 GB of RAM
  - 16 GB of internal storage
- Flawless playback

  Support for Playback of 1x 4K video, 2x 1080p videos, 4x 720p, 4x 480p, or 6x 360p videos

  Notes:
  - Only the H.264 and H.265/HEVC encoding formats support 1x 4K video.
  - 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.
- Switching between Wi-Fi AP and Wi-Fi STA
  - In Wi-Fi AP mode, the user terminal is connected to the built-in Wi-Fi hotspot of the SA-LB2K. The default SSID is "Model+Last 8 digits of SN" and the default password is printed on the SSID label of the product.
  - In Wi-Fi STA mode, the user terminal and the SA-LB2K are connected to the Wi-Fi hotspot of a router.
- 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.)
- Support for 4G modules

  The SA-LB2K 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.

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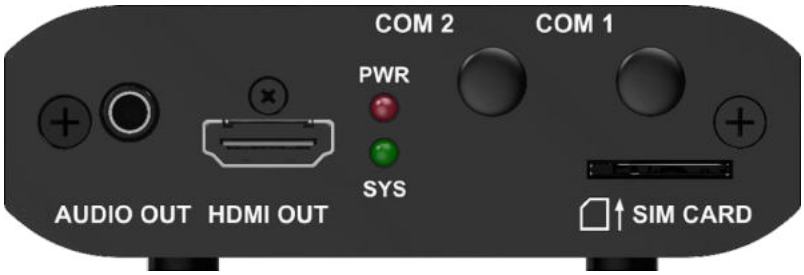
Appearance

Right View



Name	Description
AUDIO OUT	3.5mm audio output connector Note: Three-pole audio jacks can be connected.
HDMI OUT	HDMI output Adaptive mode: The SA-LB2K automatically adjusts the playback window resolution according to the EDID of the LCD display. Supported maximum resolution: 1920×1080@60Hz
SIM CARD	SIM card slot Capable of preventing users from inserting a SIM card in the wrong orientation.
PWR (red)	Power indicator Staying on: The power supply is working properly.
SYS (green)	System operation and Internet connection indicator • Flashing once every 2s: The device is functioning normally. • Flashing once every 0.5s: The Internet connection is normal.
COM 2	GPS antenna connector
COM 1	4G antenna connector

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Left View

Name	Description
WiFi	Wi-Fi AP antenna connector(2.4 GHz Wi-Fi supported)
RESET	Reset button Press and hold this button for 5 seconds to reset the product to its factory settings.
USB	USB (Type C) port Connects to the control computer for content publishing and screen control.
USB 3.0	USB 3.0 (Type A) portfor USB playback, firmware upgradeand storage expansion • Supportedfile systems: FAT32/NTFS • USB drive capacity range: 2 GB to 128 GB • The size of a singlefile must be greater than 0 KB and less than 4 GB.
ETHERNET	Fast Ethernet port Connects to the control computer, a LAN or public network for content publishing and screen control.
12V⎓ 2A	Power input connector

Technical specifications		**SA-LB2K**
Electrical Parameters	Input power	DC 12 V, 2 A
	Maximum power consumption	18 W
Storage Capacity	RAM	1 GB
	Internal storage	16 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	123.0 mm × 89.0 mm × 29.5 mm
	Net weight	255.4 g
	Gross weight	620.8 g Note: It is the total weight of the product, accessories and packing materials packed according to the packing specifications
Packing Information	Dimensions	278.0 mm × 63.0 mm × 221.0 mm
	Accessories	-1x Omnidirectional Wi-Fi antenna - 1x Power adapter - 2x Racks - 4x Screws

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

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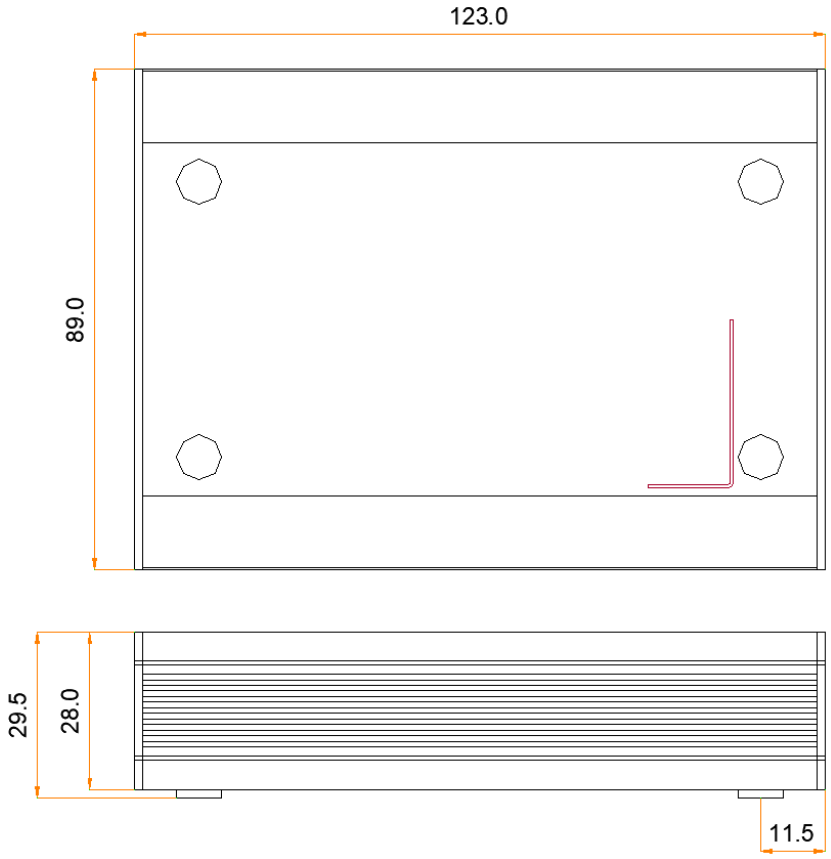
Dimensions



Tolerance: ±0.3 Unit: mm

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 1280× 720 pixels	GIF	Supported frame rate range 1fps to 30fps
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	48×48 pixels to 3840×2160 pixels	30fps	100Mbps	MP4, AVI, RMVB, FLV, MKV, MOV
H.265/HEVC	48×48 pixels to 3840×2160 pixels	60fps	100Mbps	MP4, AVI, RMVB, FLV, MKV, MOV
MPEG4	48×48 pixels to 1920×1088 pixels	30fps	38Mbps	MP4, AVI, RMVB, FLV, MKV, MOV
VP8	48×48 pixels to 1920×1088 pixels	30fps	38Mbps	MP4, AVI, RMVB, FLV, MKV, MOV
MJPEG	48×48 pixels to 1920×1088 pixels	30fps	38Mbps	MP4, AVI, RMVB, FLV, MKV, MOV

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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