55-inch Building Advertising Display

Product Specifications Model: TSA55BSN

Product Overview

This 55-inch floor-standing advertising display uses a 2K ultra-high-definition LCD panel. Built around the HD-133MC (Allwinner A133) Android mainboard (Android 10.0) and protected by 4 mm fully tempered anti-shatter glass, it supports landscape and portrait playback, video split screen and back-office advertising management. It suits information publishing and advertising in government service halls, banks, hospitals, shopping malls and retail branches.

1. Product Rendering



Product rendering (for reference only; the actual product may vary)

2. Dimensions and Packing List

Overall dimensions (H x W x D) **1258 × 727.8 × 53.5 mm**	Carton dimensions (H x W x D) **1384 × 848 × 165 mm**
Net weight **23.7 KG**	Gross weight **28.1 KG**

Package volume	0.194 m3
Configuration	Standalone / Android / X86
Front bezel colour	Sand silver / Sand black / Gold / Custom
Rear cover colour	Sand black / Custom
Backlight type	LED edge-lit module
Glass	Tempered glass, AG glass
Optional panel brands	AUO, BOE, CMO, LGD, CSOT

55-inch building advertising display	1 pc
Remote control	1 pc
Power cord	1 pc

3. Display Specifications

Display size (mm)	1210.9 x 681.7
Resolution	2K (1920x1080)
Peak brightness	<=350 cd/m2 +/-20
Dynamic contrast	5000:1
Viewing angle	H/V: 178 / 178 deg
Aspect ratio	16:9
Colour depth	10-bit, 16.7M
Refresh rate	60 Hz
Screen protection	4 mm fully tempered anti-shatter glass
Backlight	DLED (direct-lit)
Backlight life	50,000 hours

4. System Hardware

Mainboard model	HD-133MC
Main chip	A133, quad-core Arm Cortex-A53 up to 1.6 GHz
GPU	Imagination PowerVR GE8300
Storage	1GB+8GB / 1GB+32GB / 2GB+32GB
Network	RJ45 100M Ethernet with POE; 2.4 GHz Wi-Fi (802.11b/g/n); external USB 4G module supported
Display interface	1x LVDS (single/dual, 6/8-bit, 3.3V/5V/12V); 1x 40-pin MIPI (reserved); on-board backlight control with 12V output
Image rotation	0/90/180/270 degree rotation; optional gravity-sensor auto rotation
Audio	Standard left/right line output
Amplifier	2-channel output (8 ohm 5W default, 8 ohm 10W compatible)
USB	1x USB 2.0 HOST, 1x USB 2.0 OTG, 1x EXUSB

Serial ports	2x UART (RS232 optional), 1x DEBUG
IR	IR receiver socket with remote control support
RTC	Built-in real-time clock
Button	1x flashing button
LED	Power LED (green on / red off); system LED (blinking when running, off when shut down)
Operating temperature	-20 C to 70 C
Storage temperature	-40 C to 70 C
Storage humidity	10% - 90%, non-condensing
Watchdog	Hardware watchdog

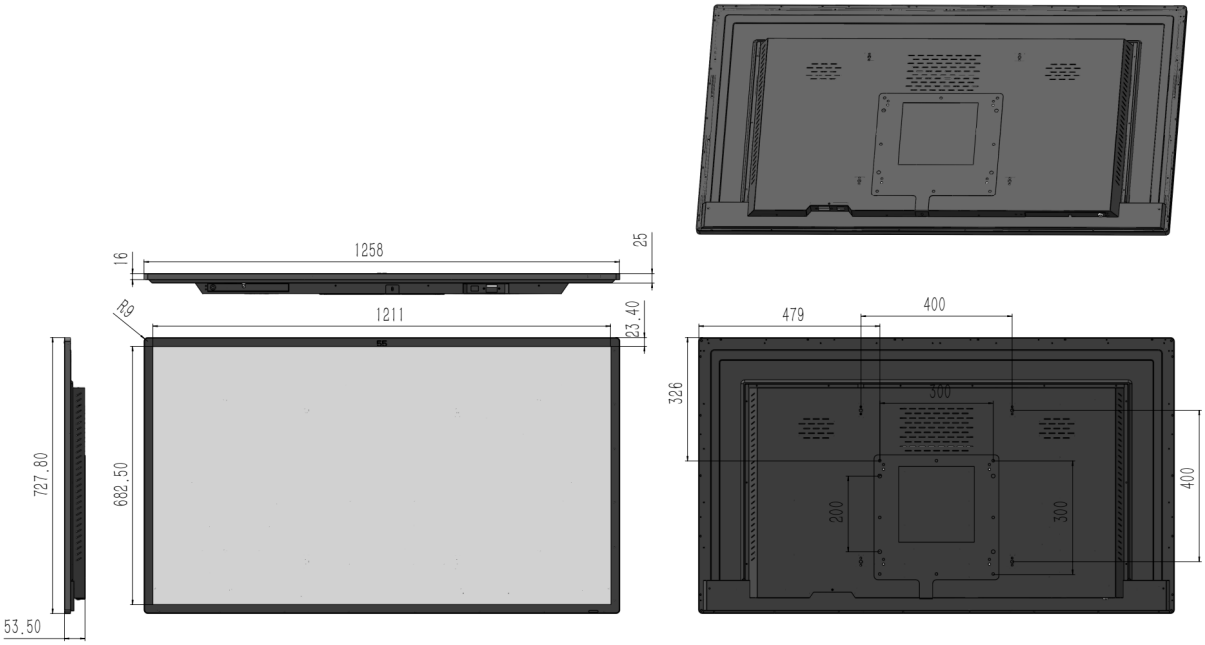
5. Software Specifications

Operating system	Android 10.0
Audio formats	MP3, WAV, APE, FLAC, OGG, M4A, 3GPP
Video formats	H.265, H.264, VP8, MAV, H.263, MPEG4
Image formats	JPG, BMP, PNG
Built-in apps	APK installer, e-mail, calculator, browser, sound recorder, calendar, settings, clock, video player, search, contacts, gallery, downloads, camera, music, file manager
Languages	Multiple languages
Input method	Standard Android keyboard; third-party optional
System management	Native Android with root access for custom development; real-time remote monitoring, crash auto-recovery and 24/7 unattended operation; USB upgrade, custom boot animation, server/standalone mode switching and Wi-Fi hotspot
Watchdog	Hardware watchdog

6. Electrical Specifications

Power input	AC 200-264V 50/60Hz
Power consumption (excl. PC)	<=350W
Speaker output	Stereo dual-channel Class-D amplifier, rated 2 x 10W (L+R / 8 ohm), THD+N<=10% @1kHz

7. Dimension Drawing



Dimension drawing (all dimensions in mm)