



SHOWTOP

Advertising machine Commercial intelligent terminal

User Manual

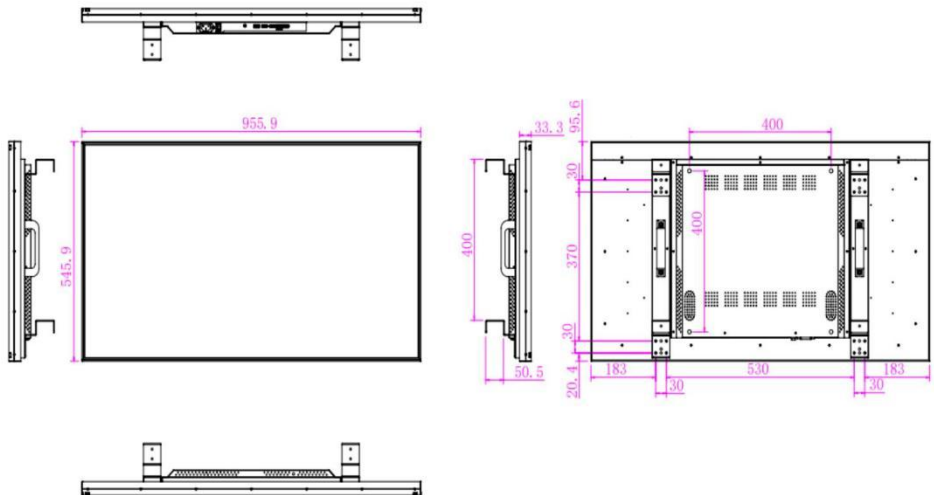


I.Product Name

Product model: AI43W

Product name: 43-inch advertising machine commercial intelligent terminal

II.Structural Diagram of the Product



III.Basic Specifications and Parameters

Display Parameters

Panel size	43 inches
Display area size	941.184(H)*529.416(V)mm
Aspect ratio	16:9
Resolution	1920*1080
Display color	16.7M
Brightness	700cd/m2(center point, typical value)
Contrast	2000:1
Visible angle	89/89/89/89(Min.)(CR≥ 10)
Response time	6.5ms(typical value)
Field frequency	50/60Hz
Theoretical service life	30000H
Power consumption	<90W

Specification Parameters

Chip	ARM Cortex-A53
Memory	DDR3 1GB (Built-in)
Built-in storage capacity	EMMC 8GB (Standard configuration)
Language	Chinese , English
Ethernet	100M adaptive Ethernet
Wi-Fi	Supports 2.4G 802.11 b/g/n 1T1R WLAN
Input interface	RJ45 * 1, HDMI IN * 1, USB HOST * 2
Output interface	Earphone out* 1

AV Parameters	
Speaker	8 Ω 5W*2
Audio mode	Left & Right channel
Audio format	MP3/WMA
Video format	Support AVI, MKV, MP4, FLV, WAV, TS, etc
Image format	Support BMP, JPEG, PNG, GIF, etc

Product Accessories	
Wall-mounted component	1PC (Including splicing hook*4, M4 screw*16)
Remote control	1PC
Power cord	1PC
Antenna rod	1PC
Quality Certificate	1PC
Warranty Card	1PC
User Manual	1PC

IV.Operating Environment

Operating Environment	
Operating temperature	0℃~40℃
Storage temperature	-10℃~60℃
Ambient humidity	<85%
Operating voltage	110-240V~, 50/60Hz, 2A, 90W

V. Structure and Assembly Instructions

1. The device supports both horizontal and vertical wall-mounting .
2. The back of the unit is equipped with Ø04x16 threaded holes (as illustrated in Figure 1) designed for securely fastening the splicing hooks. The center-to-center distance between these holes is 560mm x 400mm .
3. Of the threaded holes on the back, those measuring 400mm x 400mm are designated for wall-mounting. When installing, please use PM8x15 screws .
4. The device is equipped with 2 USB interfaces (for software upgrading) .

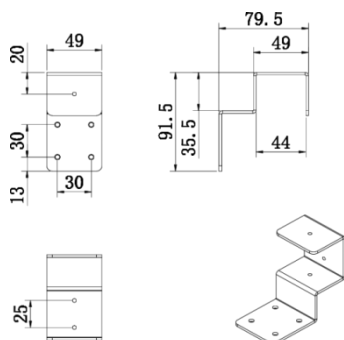


Figure 1

VI. Packaging

See Annex for details.

Please note the following:

1. Intellectual Property Statement: The hardware design and software programming of this product are protected by copyright. Unauthorized copying of this product and the contents of the Instruction Manual will be investigated with corresponding legal liability.
2. This is a Grade A product. In a standard living environment, this product may cause certain radio interference. In this case, the user may be required to take practical measures against such interference.
3. The content in this Instruction Manual is for reference only and does not constitute any form of commitment.
4. SHOWTOP reserves the right to improve and change the product design without prior notice.

Warning

In a standard living environment, this product may cause certain radio interference. In this case, the user may be required to take practical measures against such Interference.

VII. Test Report

Test Report					
Product Model			AI43W	Purpose	To ensure the reliability and practicality of the product
Prepared by			Shenzhen SHOWTOP Technology Co., Ltd		
Scope of Application			SHOWTOP Commercial Advertising Machine		
S/N	Test Item	Quantity	Test Requirement/Standards	Test Steps	Test Results
1	Drop impact test	1	Product weight: 9Kg≤M≤20Kg Drop height: 30CM for corners/edges, 40CM for top, 40CM for other sides Drop order: 1 corner, 3 edges, 6 sides	1. Prepare qualified and verified test equipment and drop test bench; 2. Perform operations on the packaged device according to the experimental requirements; 3. After the experiment, unpack the device and check whether there is any abnormality in appearance, and check whether it is operating normally after powering on. If there is no abnormality, the test is passed and ended.	PASS
2	High and low temperature test	1	Test environment: 1. 45 ±2℃ 50%RH 4h 2. 60±2℃ 30%RH 4h 3. -25±2℃ ORH 4h 4. - 10±2℃ ORH 4h Test each of the above parameters for more than 4 hours after powering on, check whether the device is operating normally. Test each parameter for more than 4 hours after powering off then powering on, and check whether the device is operating normally	1. Prepare qualified and verified thermostatic chamber and set the parameters according to the experimental requirements/standards; 2. Place the device into the experimental equipment for testing according to the experimental requirements/standards; 3. After the experiment, check whether there is any abnormality in the equipment. If there is no abnormality, the test is passed and ended.	PASS
3	Electrical Performance test	1	Test condition 1) The product is not damaged after aging for 30 minutes at ±20% of the rated operating voltage; 2) Adjust the voltage by ±15% of the rated operating voltage by 20V each time (increasing or decreasing the voltage), and check whether there are any abnormalities in the image and sound	1. Prepare qualified and verified voltage regulator, and set parameters according to the experimental requirements/standards; 2. A professional test technician conducts the test according to the test requirements; 3. After the test, check whether there is any abnormality in the equipment. If there is no abnormality, the test is passed and ended.	PASS
4	Display test	1	1. Signal source: The device works for screen projection and playback when connected to the network and WIFI; 2. Software version: Latest version; 3. Voltage: Rated Operating voltage; 4. Load: Two speakers working simultaneously, with other parameters set to factory settings; 5. Test environment: Tested at a temperature of 40±2℃ and humidity of 28%RH for more than 12 hours	1. A professional test technician tests the machine for more than 12 hours according to the experimental requirements/standards; Check whether the WIFI and network connections are operating normally; 2. Check whether the remote control is operating normally ; 3. Check whether the software version is the latest version; 4. After the experiment, check whether there is any abnormality in the equipment. If there is no abnormality, the test is passed and ended.	PASS

VII. Test Report

S/N	Test Item	Quantity	Test Requirement/Standards	Test Steps	Test Results
5	Structural component inspection	1	Metal parts should be free from rust and other mechanical damage. The color of the surface coating should not have any obvious color discrepancy. The operating switches and buttons should work flexibly and reliably, and parts should be fastened and not loose. There should be no obvious installation gaps. The complete device should have sufficient mechanical stability	1.A professional test technician inspects the hardware and structural parts the device according to the inspection requirements/standards; 2.During the inspection, the device should not have any problems other than the standards; inspection ended	PASS
6	Packaging inspection	1	The surface of the packaging should be clean and tidy without obvious defects, such as concave and convex distortions, scratches, cracks, deformations and burrs. The surface coating should not blister, crack, or fall off. The text, graphics and symbols on the outer box, and in the Instruction Manual, etc. should be clear and feature correct indications	1. Before packaging the device, a professional test technician should inspect the surface, outer box, Instruction Manual, etc. of the device according to the inspection requirements/standards; 2. During the inspection, the device should not have any problems other than the standards; inspection ended.	PASS

Note: The above test requirements/standards are the internal test standards of the commercial display advertising machine industry

VII. FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC 's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.