



Showtop
S H O W T O P

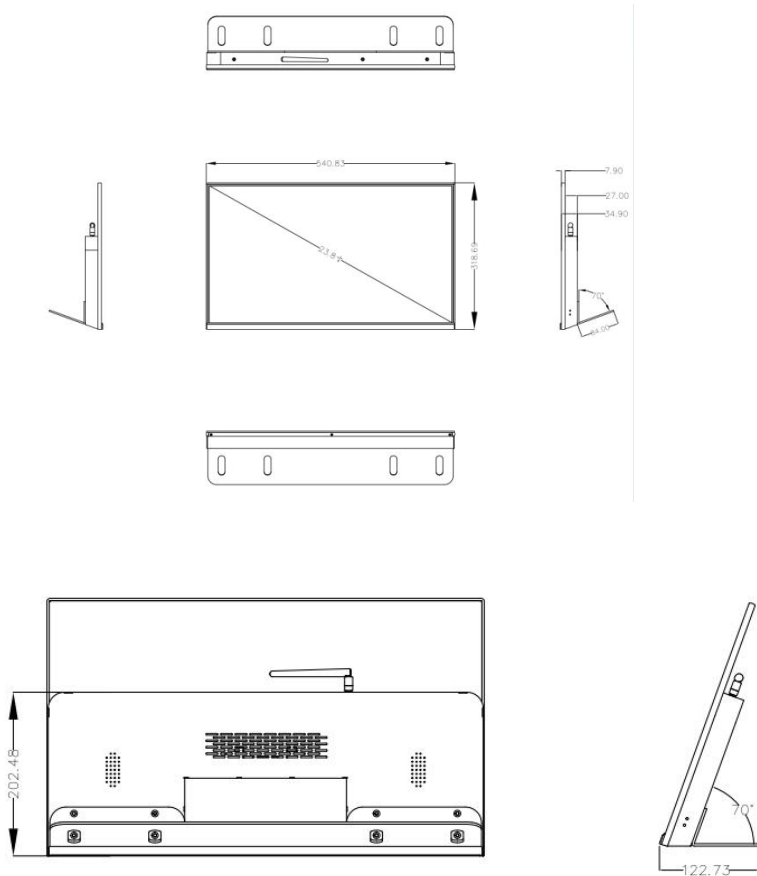
Desktop Digital Signage Machine User manual

1. Product name

Product model: D23.8A-N02

Product name: Desktop Digital Signage

2. Structural diagram of the product



(Please refer to the actual product)

3. Basic specification and parameters of the product

Display parameters	
Panel size	23.8 Inches
Displays area size	527.04(H)*296.46(V)
Aspect ratio	16:9
Resolution	1920*1080
Display color	16.7M
Brightness	700 cd/m2 (center point, typical value)
Contrast	1000:1
Visual Angle	R/L/U/D 89/89/89/89
Response time	14ms (typical value)
Field frequency	60HZ
Theoretical life	30000H
Power consumption	35W(max)

Specification parameters	
Chip	Quad-core A53
Internalstorage	DDR 1GB (Built-in)
Built-in storage	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, and the output interface	LANx1,USBx2,TFx1,HDMIINx1, RJ45x1
	Earphone Jackx1

Accessories of a product	
Power Adaptor	1pcs
Remote Control	1pcs
Quality Certification	1pcs
User Manual	1pcs

4. Product operating environment

Operating environment	
Operating temperature:	0℃~40℃
Storage temperature:	-10℃~60℃
Ambient humidity:	<85%
Operation voltage:	12V $\pm$ 5A

5. Product operating environment

See Annex for details.

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.

6. Inspection report

Inspection report					
product model		D23.8A-N02		purpose	Ensure the reliability and practicability of the products
Production unit		Shenzhen Showtop Technology Co., LTD		scope of application	Digital extension technology commercial advertising machine
order number	test item	quantity	Experimental requirements / standards	Test steps	test result
1	The crash test	1	Product weight: 9 KgM, 20 Kg Drop height: 30CM for angle / side, 40CM above, 40CM for other surface Drop sequence: 1 Angle, 3 sides, and 6 sides	1. Prepare the drop test machine of the qualified test equipment; 2. Conduct the packaged machine according to the experimental requirements; 3. After the experiment, remove the machine to check whether the appearance is abnormal, check whether the power-on is normal, and if there is no abnormality, the test will be over at OK	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℃ 0RH 4h 4, -10 ± 2℃ 0 RH for 4 h The above parameters test above 4H, check whether the machine is normal, and each power off test 4H On, then turn on to check whether the machine is normal	1. Prepare the qualified constant temperature incubator of the test equipment, and set the parameters according to the experimental requirements / standards; 2. Put the produced whole machine into the experimental equipment for testing according to the experimental requirements / standards; 3. After the end of the experiment, check whether the equipment is abnormal. If there is no abnormality, the test will be over at OK	PASS

3	Electrical performance test	1	test condition: 1) $\pm 20\%$ voltage of rated working condition voltage is not damaged after aging for 30 minutes; 2) Adjust $\pm 15\%$ of the rated working condition voltage every 20V to check whether the image and sound are abnormal	1. Prepare the qualified equipment regulator, and set the parameters according to the experimental requirements / standards count; 2. Professional testers shall conduct the tests according to the test requirements; 3. After the test, check whether the equipment is abnormal. If there is no abnormality, the test will end at OK	PASS
4	Show the test	1	1. Signal source: the machine plays on the network and WIFI; 2. Software version: it is the latest version; 3. Voltage: the rated working voltage; 4. Load: two speakers work at the same time, and other parameters are set to the factory setting state; 4. Test environment: test at $40 \pm 2^\circ\text{C}$ temperature, 28% RH humidity environment	1. Professional tester shall test the machine for more than 12H according to the experimental requirements / standards; 2. Check whether the WIFI and network connection are normal; 3. Check whether the remote control is normal; 4. Check that the software version is the latest version; 5. After the end of the experiment, check whether the equipment is abnormal. If there is no abnormality, the test will be over at OK	PASS
5	Inspection of structural parts	1	Metal parts shall not have corroded and other mechanical damage, external profile paint color has no obvious color difference, all operation switches and keys shall be flexible and reliable, and parts shall be fastened without loosening; no obvious installation gap, the whole machine shall have sufficient mechanical stability	1. Professional tester shall inspect the hardware and structure of the machine according to the inspection requirements / standards check; 2. During the inspection, the machine cannot have any problems other than the standard, the inspection will be completed	PASS
6	Packaging inspection	1	The appearance of the product is clean, the surface should not have obvious concave and convex marks, scratches, cracks, deformation, burrs and other defects, the surface coating is not bubble, no crack, no fall off, the box, instructions and other words, graphics and symbols should be correct, clear and correct instructions	1. Before packing, professional tester shall check the appearance, outer box and manual of the machine according to inspection requirements / standards 2. During the inspection, the machine, outer box, instructions, etc. shall be checked	PASS
Note: The above test requirements / standards are all internal test standards for the commercial display and advertising machine industry.					

Return and exchange registration form

Purchase account: _____

order number: _____

Name of consignee: _____ contact number: _____

Return type: ☐ return ☐ exchange

Return and exchange products: _____

Return and exchange address: _____

Reasons for return and exchange: _____

In order to improve the efficiency of return and exchange, please fill in the above matters in detail!

Warranty regulations

Dear customers,

Thank you for purchasing our company's products! In order to protect your legal rights and to eliminate your worries, as well as to improve our after-sales

service, we have established this warranty policy. Please read it carefully and provide valuable feedback and suggestions.

I. The company's products enjoy a free warranty service of one month from the date of sale, if the product exceeds the warranty period of one month from

the date of sale, the company will charge the cost of parts according to the product failure.

II. Please pack and ship the products for repair properly, and the company will not be responsible for any damage or loss during the transportation process. During the free warranty period, the company has the right to refuse service or charge materials and service fees at its discretion if the following events

occur:

III.I. Product failure or damage caused by improper use by the user;

III.II. Accidents caused by electric shock or improper installation leading to burning;

III.III. Damage caused by dismantling and repair by non-maintenance service personnel;

III.IV. Damaged product labels.

IV. Please read the product manual carefully before installing and using the company's products.

V. The warranty card must be stamped and dated by the vending unit to ensure your rights and interests

FCC Statement

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.
- (3) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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 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.

Warning

The device has been evaluated to meet general RF exposure requirements

RF Exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.