



Features:

1. Aluminum alloy surface frame and heat sink plate are sandblasted and oxidized, anti-UV and anti-discoloration treatment, and Full IP65 waterproof
2. Industrial-grade LCD screen, full viewing angle, 1200 brightness sunlight readable, PWM software can adjust the brightness
3. 10-point capacitive touch screen, the protective layer is 2mm tempered glass (chemically strengthened), the hardness reaches 7H, and the surface is treated with AG anti-glare treatment
4. EETI touch control solution, touch well with water drop on the screen
5. Optical bonding between LCD and touch screen
6. Use industrial-grade components, work 24/7, and support wide temperature operation -20-70°C
7. The front frame and rear shell are sealed with waterproof tape, and the machine can be disassembled for inspection and maintenance without affecting the waterproof performance.

Model:SC238W

PC	
CPU	RK3588, Octa-core(8 Cores) 64-bit big and small core architecture, quad-core Cortex-A76 + quad-core Cortex-A55, 2.4GHz.
GPU	ARM Mali-G610 MC4, supports OpenGL ES 1.1/2.0/3.1/3.2, OpenCL 1.1,1.2,2.0, Vulkan 1.1,1.2, Embedded high-performance 2D graphics acceleration module
NPU	6TOPS AI computing power, triple-core architecture, support int4/int8/int16/FP16/BF16/TF32
Memory	2G/4G /8G Optional
Storage	eMMC 16G/32G/64G/128G Optional
Vedio	Support H.265/H.264/AV1/VP9/AVS2 video decoding, up to 8K@60FPS; support H.264/H.265 video encoding, up to 8K@30FPS
Display	Supports multiple displays, up to 8K@60FPS; supports EDP/DP/HDMI2.1/MIPI multiple display interfaces*
Video input	Supports multi-camera input (4*4lanes or 4*2lanes+2*4lanes) MIPI CSI-2 and DVP interfaces; 32MP ISP, supports HDR and 3DNR; supports HDMI2.0 input, up to 4K@60FPS
Network	2 port 10/100/1000M Adaptive Ethernet RJ45 connector + 4-Pin POE header
Operation System	Android 12
Play Modes	Support timing, loop and spots etc. play modes
Wireless Network Support	WIFI, 3G, 4G , TD-LTE, GPS (optional)

Image Format	JPG/BMP/GIF/TIFF/PNG
Video Format	RMVB,FLV,MPEG1/2/4, AVI, WMV, MOV, MP4, TS etc.
Camera	Build in Camera optional
RTC Real Time Clock	YES
I/O	
USB	2*IP65 USB
LAN	1*IP65 RJ45
Video Outputs	1*IP65 HDMI
Audio	1*IP65 AUDIO
Power input	1*IP65 DC9-36V
Other	1*IP65 WIFI 1*IP65 GPIO 1*IP65 Power on/off button 1*IP65 Breather valve
LCD panel	
Panel size	23.8"
Display active area	527.04(W)x296.46(H) mm / 20.75x11.672 in
Resolution	1920*1080
Aspect ratio	16:9
Support Color	16.7M colors
Brightness (cd/m ²)	1200 nits, sunlight readable
Brightness control	PWM software adjustment
Contrast ratio	1000:1
View angle	89°/89°/89°/89° (R/L/U/D)
Backlight	WLED, 50K hours
Touch panel	
Touchscreen Type	10 point capacitive touch
Surface hardness	7H
Touch response time	<5ms
Surface treatment	Anti glare (chemical etching)
Luminousness	≥80%
Touch controller IC	EETI 81
Available touch drivers	Windows, Linux, Android, Mac, etc
Touch bonding	Optical bonding
Touch options	5 wire resistive touch, non touch, IR touch optional
Power Supply	
Working voltage	DC 9-36V
Power consumption	50W
Power adapter	AC 100 ~ 240V input and DC +12V@5A MAX output, 60W
Enclosure	
Material	Aluminum alloy panel, heat sink plate + galvanized cold-rolled plate back shell
Finish	Aluminum frame, aluminum heat sink: sandblasting oxidation, anti-UV and anti-discoloration treatment Rear shell: electrostatic powder spraying

Color	Black, other color optional
Mounting	VESA mount 75/100
IP grade	Full IP65 waterproof
Cooling system	Passive - Fanless
Operating Environment	
Temperature Range	Operating: -20 °C ~ 70°C (-4°F ~158°F) Storage: -30 °C~80°C (-22°F ~176°F)
Relative humidity	Up to 100% at all relevant temperatures, non-condensing
Vibration	GB/T 2423.10-2019
Shock	GB2423.5
EMC	Class B
Packing Details	
Net weight	Net weight 8.8kg
Product Dimension	600×368.3×678mm
Packing info	1pc/ctn 75×50×20cm 15kg
Accessories	Waterproof adapter, waterproof network cable, waterproof USB cable, waterproof HDMI cable, antenna stick
Other	
Warranty	1 year warranty
Certificate	CE, FCC, RoHS

