STARK TOUCH DEVICE

# 21.5-inch Floor-standing Outdoor Interactive Kiosk

## Features：

- 24/7 continuous outdoor operation
- IP65 waterproof & dustproof
- Anti-theft, lightning & leakage protection
- Floor-standing vertical design
- Custom color options available
- Low power consumption, standby < 3W
- 178° ultra-wide viewing angle
- 6mm full tempered explosion-proof glass
- 1.5mm galvanized steel cabinet with baking finish
- Auto brightness adjustment via light sensor
- Intelligent temperature-controlled air cooling system
- High brightness HD display with wide temperature range





This series of floor-standing outdoor digital signage is available in sizes from 21.5" to 98".

It features IP65 waterproof and dustproof rating, high-brightness HD display, intelligent temperature-controlled air cooling, anti-theft design, and 24/7 reliable outdoor operation.



The sturdy cabinet is made of 1.5mm galvanized steel with baking finish, supporting custom colors. It is ideal for various outdoor public environments.





| Display parameters | |
|---|---|
| Screen diagonal (Inch/mm) | 21.5/546.10 |
| Display active screen size (mm) | 475.97×267.73 |
| Aspect ratio | 16:9 |
| Physical resolution | 2K 1920 (RGB)×1080 (FHD) |
| Refresh rate | 60Hz |
| Brightness (cd/m²) | 1500 |
| Contrast | 3000:1 |
| Response time (ms) | 6 |
| Visual Angle horizontal/vertical (°) | 178° /178° |
| Display protection | 6mm full tempered high explosion-proof glass |
| Backlight / Backlight Lifetime (hours) | LED / 50000 |
| Brilliance control | Light sensing senso(Energy saving) |

| Motherboard configuration/interface | |
|---|---|
| CPU | RK-3288 Cortex-A17, 4-core, 1.8GHz |
| Operating system | Android 7.1 |
| Running memory | 2GB |
| Storage | 32G |
| Storage Expansion | Supports up to 32GB SD card expansion |
| Network | LAN/WiFi/4G module (optional) |
| Bluetooth | optional |
| Interface | USB2.0×2 HDMI Out×1 |
| | HDMI In (optional) MicroPhone ×1 |
| | Audio output×1 SD card×1 |
| | Horn: 8 Ω 10W * 2 |

| Packaging specifications | |
|---|---|
| Product weight | 16.5KG |
| Packaging specifications | Mainly based on physical products (standard packaging is made of pearl cotton) |
| Wooden case packing | mainly based on physical objects |

| Power supply | |
|---|---|
| Input voltage | AC110-220V |
| Working power consumption | ≤ 70W |
| Standby power consumption | ＜3W |

| Structural parameter description | |
|---|---|
| Installation method | wall mounted |
| External dimensions | See the external dimension diagram |
| Color | Black/White/Red/Silver Grey/Dark Grey/Customized |
| Material | 1.5mm galvanized steel sheet.Baking lacquer process |
| Protection level | IP65 |
| Waterproof | Three-layer composite sealing strip |
| Dust prevention | 3M high air volume filter |
| Anti theft | three-level door lock protection, hidden screw design |
| Explosion proof | 6mm full tempered high explosion-proof glass |
| Anti rust and anti-corrosion | High-strength galvanized steel sheet |

| Heat dissipation method description | |
|---|---|
| Heat dissipation method | intelligent temperature controlled air cooling system |
| Temperature protection | supports high temperature protection |
| Fan | Industrial grade high air volume silent fan,supporting speed regulation and noise reduction (energy-saving) |

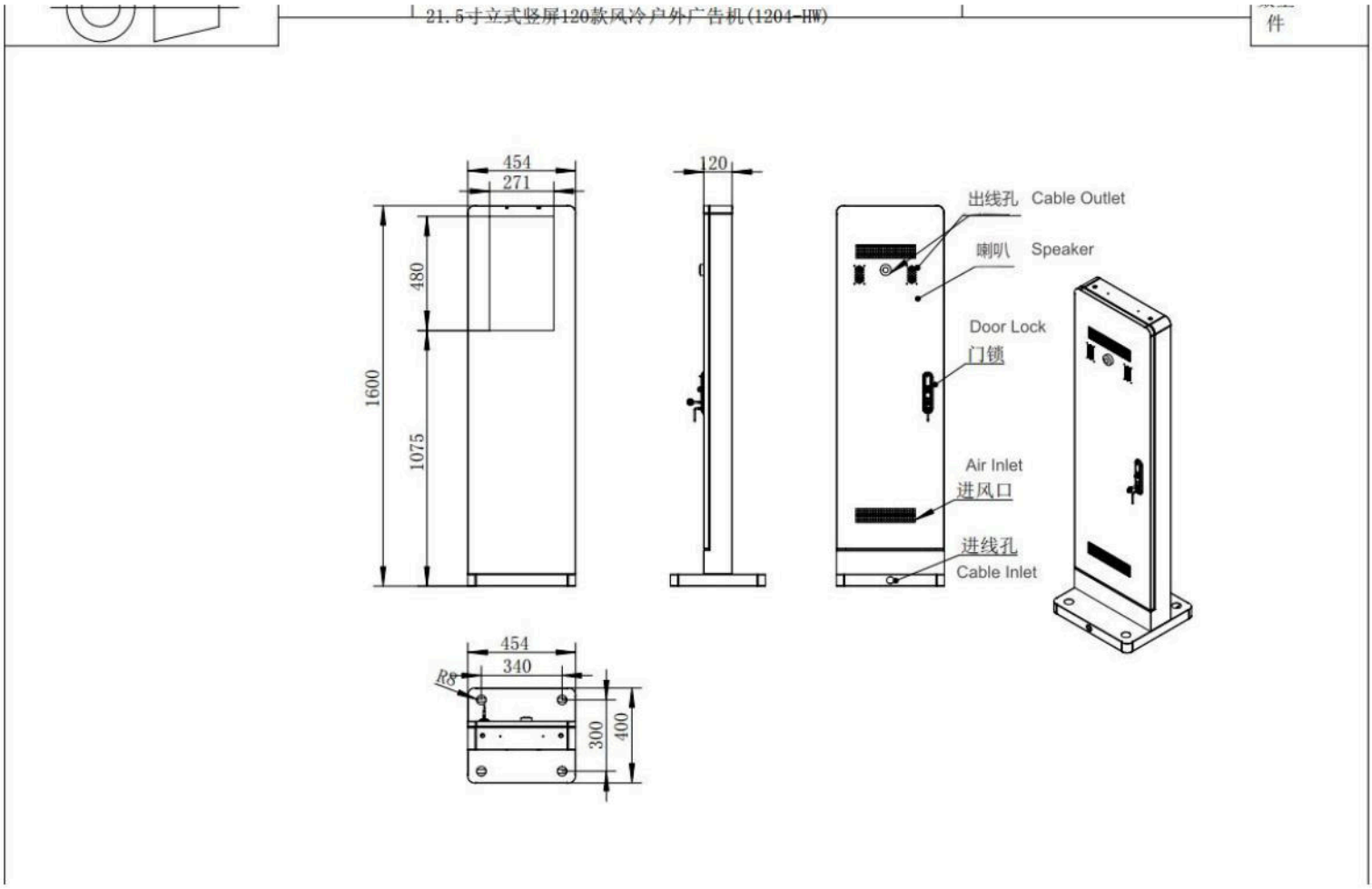
| Touch (optional) | |
|---|---|
| Touch type | G+G capacitive waterproof touch |
| Point count | 10 points |
| Touch accuracy | 99% accuracy |
| Operating system | Windows/Android/MacOS/Linux/ HarmonyOS |
| Working temperature | -30 ℃ -60 ℃ |

| Work environment | |
|---|---|
| Working temperature | -10℃ -50℃ (if the ambient temperature is below -10℃, it is recommended to choose a heater) |
| Working humidity | 5% -90% |
| Storage temperature | -20 ℃ -60 ℃ |
| Storage humidity | 10% -85% |

## Core technology

| NO. | Name | picture | Description |
|---|---|---|---|
| 1 | Time controlled switch |  | With a microcontroller chip as its core, the power switch controller supports presetting 20 on/off time schedules daily or weekly. Built-in rechargeable Ni-MH battery serves as backup power, maintaining timing display and data storage for over 9 months after power disconnection. |
| 2 | Lightning protection device |  | Designed to protect low-voltage power grids and electrical equipment from lightning and surge overvoltage damage, it serves as an ideal overvoltage protection device. |
| 3 | Anti leakage device |  | Anti leakage, safer to use |
| 4 | Cooling system | —— | Built-in temperature sensor accurately detects internal temperature changes. The temperature control system intelligently adjusts fan speed accordingly for energy saving. |
| 5 | Brightness control | Auto ISO | Built-in photosensitive probe automatically adjusts LCD brightness based on ambient light intensity, supporting auto and manual modes. |

## Drawing


21.5寸立式竖屏120款风冷户外广告机(1204-HW)
件
454
271
480
1600
1075
120
出线孔 Cable Outlet
喇叭 Speaker
Door Lock
门锁
Air Inlet
进风口
进线孔
Cable Inlet
454
340
R8
300
400