

OUTDOOR & SEMI OUTDOOR Digital Android Signage

Enjoy seamless **Cloud Network**
for every single device with **FREE**
Content Management Software



Key Features

- Open **Android 11** and above
- **Third Party** Apk support
- Content Management System by **LAN | Cloud**
- **U-Disk/USB** Playback System
- **Audio** Outdoor with Metal Enclosure
- Built-in **Bluetooth | Wi-Fi**
- 10 points **Capacitive Touch** (Optional)
- Support Vertical / Horizontal **split screen**
- **4K** open cell panel with **3000 nits** brightness
- Creating Better Visions with **IP 65**
- **4G LTE** Module / SIM support

Application Area

Outdoor - Semi Outdoor Lounge | Transport Bay
Commercial Outdoor Terrace | Car Parking Area
Substations | Industrial Zone

Sizes Available

43 | 55 | 65



Display Panel Specifications

Features	Model No. 431NT-WMO	Model No. 550NT-WMO	Model No. 431NT-FMO	Model No. 550NT-FMO
Panel Size	43 inch	55 inch	43 inch	55 inch
Panel Type	IPS	IPS	IPS	IPS
Resolution	1080 x 1920 / 2160 x 3840	1080 x 1920 / 2160 x 3840	1080 x 1920 / 2160 x 3840	2160 x 3840
Contrast Ratio	3000 : 1	3000 : 1	3000 : 1	3000 : 1
Viewing Angle	170°	170°	170°	170°
Luminance	2500 nits	3000 nits	2500 nits	3000 nits
Aspect Ratio	16 : 9 9 : 16	16 : 9 9 : 16	9 : 16	16 : 9 9 : 16
Display colors	16.7 M (8 bits - true) colors	16.7 M (8 bits - true) colors	16.7 M (8 bits - true) colors	1.07 G (8 bits - FRC)
Display mode	Transmission mode, Normally Black	Transmission mode, Normally Black	Transmission mode, Normally Black	Transmission mode, Normally Black
Active area (W x H) (mm)	532 x 943	684 x 1213	585 x 1040	680.4 x 1209.6
Operating Temperature	0 °C - +50 °C			
Storage Temperature	-20 °C - +60 °C			
Operating Ambient Humidity	5%RH - 100%RH	5%RH - 100%RH	5%RH - 100%RH	5%RH - 100%RH
Protection Grade	IP 65	IP 65	IP 65	IP 65

Electrical & Physical Specifications

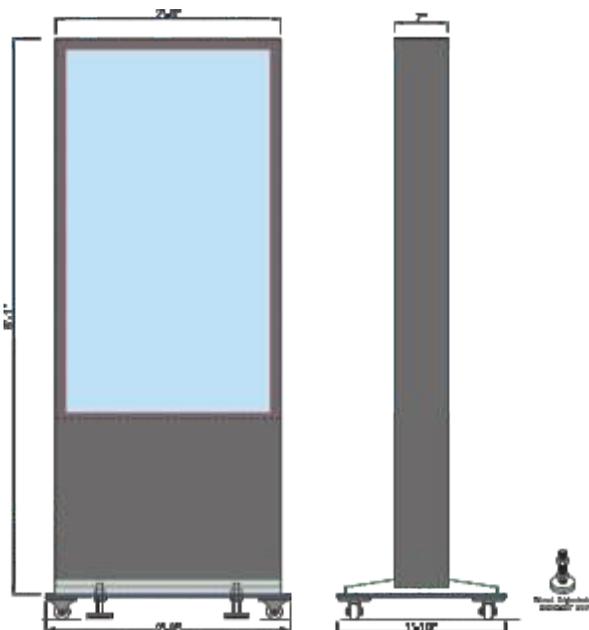
Electrical & Physical specification			431NT-WMO	550NT-WMO	431NT-FMO	550NT-FMO
Input Power Supply	220 V - 240 V 1 Ph. 50 Hz	Dimensions (W x D x H)	640 x 130 x 1140 (mm)	800 x 140 x 1480 (mm)	700 x 178 x 1755 (mm)	762 x 178 x 1855 (mm)
Operating Voltage	12 V DC	Base (W x D x H)			712 x 101 x 520 (mm)	812 x 101 x 558 (mm)
Standby	0.5 W	Gross Weight	60 kg	80 kg	128 kg	160 kg
		Cabinet Material	MS	MS	MS	MS

Hardware Specifications

CPU & Chipset	RK Quad core 1.8 Ghz Octa core 2.2 Ghz & above 64 bit high performance CPU
GPU	Mali-G52 GPU supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0 and Vulkan 1.1
Memory	Default 4 GB 8 GB (Optional)
Built-in storage capacity	Default 64 GB 128 GB (Optional)
Network	Adaptive 10/100 mbps 100/1000 mbps Ethernet
Wifi	Support 2.4G / 5G, Wi-Fi, support Wi-Fi 802.11b/g/n protocols
Image rotation	Support manual rotation of 0 degree, 90 degree, 180 degree, 270 degree
Display	TFT LCD Professional Signage Panel (Industrial Grade) 16.7M colours 8-bit colour depth 170° viewing angle 16 x 7 24 x 7 (Optional) operation support Outdoor Metal Panel
HDMI	HDMI (Out) / HDMI (In) optional
Audio	2 x 25W speakers
Power amplifier	2 outputs (8 ohms, 25 watts dual audio amplifier output)
Microphone	Differential MIC input
Touch screen (Optional)	Support USB multi-point infrared touch, multi-point capacitive touch, multi-point nano film touch, multi-point acoustic wave touch, multi-point optical touch and more.
RCT	Built-in real-time clock function
USB	2 x USB (USB 3.0)
Infrared	Support infrared remote control function
LED	1* power status LED (green), 1* system LED (green / blue blinking in default)
Bluetooth	Support 4.2 & above
I/O	Support 5 IO input and output control, can be used as key scanning control
Serial port	30 pin FPC interface, Largest support 1300 w Camera
Power Adapter	Input : AC 100-240 V 50-60 HZ, Output : DC 12 V 1.5 A (Requires surge voltage less than 18 V and ripple voltage less than 100 mV)
Optional hardware	Camera, Sensor, QR Scanner, Printer etc.

Software specifications

Operating system	Android 11 and above
Audio	Mp3, WMA, WAV, APE, FLAC, AAC, OGG, M4A, 3GPP and other formats
Video	Support AVI, rm, rmvb, MKV, WMV, MOV, MP4, DAT, PMP, MPEG, MPG, FLV, ASF, TS, TP, 3GP, MPG and other formats
Image	Support various image formats such as JPG, BMP, PNG
System comes with application software	APK Installer, Email, Calculator, Browser, Recorder, Calendar, Settings, Clock, Video Player, Search, Contacts, Gallery, Download, Camera, Music, Explorer, etc.
Language	English / Hindi / Bengali (Support Multi-Language)
Input method	Standard Android Keyboard with optional third-party input method
System Management	Original ecological Android system, open root permissions, and can customize product development Real-time remote monitoring, system crash self-recovery, unattended 16 x 7 hours (24 x 7 Optional) Support OTA remote upgrade; support U disk upgrade Support server / stand-alone mode switching Support WI-Fi hotspot
System watchdog	Support software watchdog



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