

GEEPHON



Full Outdoor Green Signage BAA Series

Geephon excels in outdoor environments, delivering exceptional performance with Mini LED backlighting for luminance ratings up to 6500 cd/m². Our displays achieve incredibly bright imagery even in intense sunlight, and feature IP66 protection for added durability.

BAA5522A-BB-45



• Optimal Visual Clarity

- High-performance image processor
- Delivers true color expression and high resolution
- Offers adjustable picture quality and white balance



• Green Technology

- Features ultra-low power consumption.
- Achieves energy savings of up to 45%.



• Outdoor Optimized High-Bright Display

- Achieves 4500 cd/m² for exceptional brightness
- Ensures excellent visibility in direct sunlight
- Smart light sensor for optimal brightness adjustment
- Polarized sunglasses compatible



• Local Dimming Innovation

- Implements LDM with an extensive number of zones
- Achieves an ultra-high contrast ratio up to 450,000:1



• Enhanced Component Design

- Lightweight design for easy handling
- High-strength aluminum alloy for durability
- Modular components facilitate maintenance and replacement



• CMS / Remote Management Support(optional)

- Cloud-based remote management (CetusMSC) and CMS platform (GalaxyASC) support
- Real-time monitoring of display status, parameters adjustment, and content distribution
- Remote control via PC and smart phone



• Industry Top quality Heat Exchange Innovation

- Tailored for outdoor scenarios, featuring Geephon's proprietary patent
- Facilitates device heat dissipation while requiring no maintenance
- Significantly extends product lifespan



• Quiet Cooling System

- Incorporates a high-flux low-noise fan and intelligent algorithms.
- Utilizes sensor data to optimize heat dissipation while minimizing noise levels
- Specially engineered for noise-free operation



• Energy Metering and Protection Module

- Support the measuring of active energy
- Remote power on-off function
- Surge/lightning protection
- Carbon credits calculation function (optional)



• Built-in Multiple Sensors

- Temperature sensor
- Humidity sensor
- Door opening sensor
- Shock sensor
- Ambient light sensor
- Pixel sensor (optional)

Specification

Hardware Specification

Panel	IPS
Display Size	55 inch
Protection Glass	AR High Permeability Glass
Protection Level	IP 66
Front Color	Black
Shell	Aluminum
Set Dimension (L*W*D)	1337.6 x 808.4 x 121.6mm
Bezel Width Width	63mm (L/R /H/V)
Active Display Area (H*V)	1209.6 x 680.4mm
Resolution	1080 x 1920
Type	MiniLED BLU
Brightness	5000 nits(Typ.), 4500 nits(Min.)
Contrast Ratio(Typ.)	450000:1
Viewing Angle(H/V)	178°(H) x 178°(V)(CR≥10)
Display Colors	16.7M
Color Gamut	72%
Response Time	6ms (Typ)
Operation Hour	24/7
Panel Orientation	Portrait
Smart Solution	PTC.DT1AHE-LAB
Connectivity	USB2.0*2, HDMI In*2, HDMI Out*1, Ethernet(RJ45)*2, RS232(RJ45)*1, Line Out*1
Power	Input Supply: 100-240V AC, 50/60Hz Max power: 505W
Power Consumption	Average power: (under IEC): 222W Max power with heating module: 1000W
Speaker	5W/8Ω *2
IR	Yes
Touch	Optional
Camera	Optional
Installation Methods	Floor Standing / Wall Mounting / Hanging
Package(W*H*D)	1488 x 960 x 262mm
Net Weight	84.4kg
Operating Temperature	-40°C ~ +50°C
Storage	-20°C ~ +60°C

System Specification

CPU	ARM Quad Core Cortex-A53 1.5G
GPU	Arm Mali-G52 2EE MC1
Operating System	Android 9
Screen Health	Smart Backlight Control - Yes
Remote Management	Smart Temperature Control - Yes
	Smart Fans Control - Yes
	Smart Monitoring System Cloud - Yes/CetusMSC
	Overheating Protection - Yes
Cloud Advertising	Optional
Distribution System	Optional
Cloud Splice System	Optional
Memory	DDR 2G
Storage	EMMC 16GB
Ethernet	Ethernet (RJ45)
	WiFi 802.11b/g/n
	4G LTE(FDD/TDD) (Optional)
Video Decoder	MPEG-1/2/4,H.264,HEVC,VP8,VP9,AVS+,AVS2,AV1
Audio Decoder	MPEG-1,MPEG-2(layer/II) MP3,AAC-LC,HE-AAC
Picture Decoding	JPG, JPEG, PNG, BMP

What's in the box

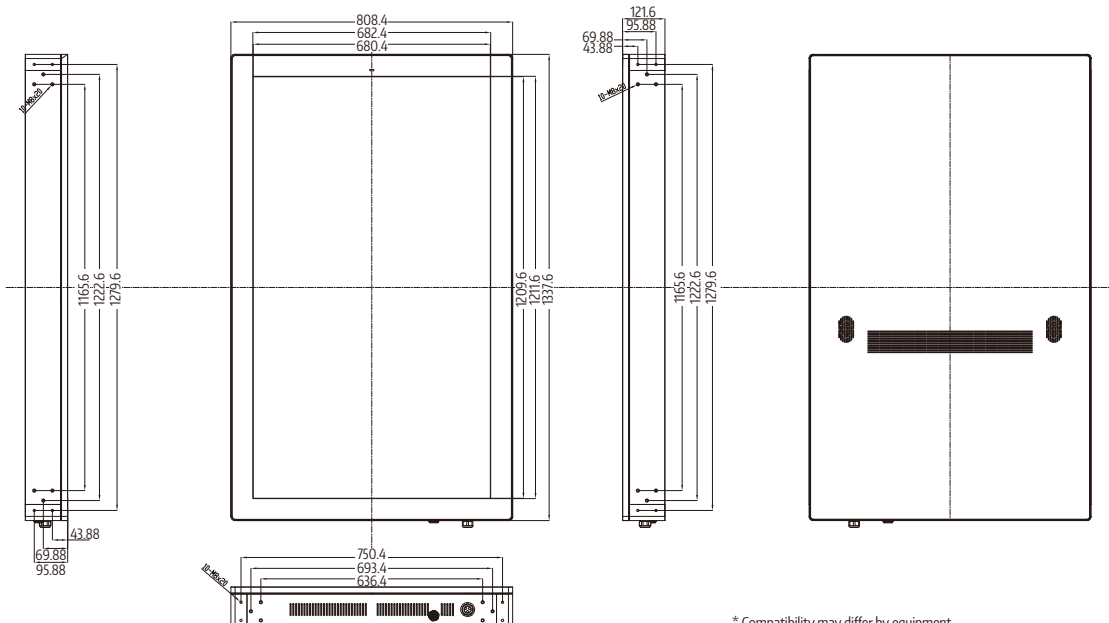
Remote Controller	x 1
RS232 Adaptor	x 1
Door Key	x 1

Warranty

Warranty	Three years or by contract
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Dimensions

Unit: mm



* Compatibility may differ by equipment.
 * Software compatibility may change over time. Please contact your regional sales representative for details.
 * Specifications are subject to change without notice, so please contact sales team to verify before ordering