amoeba

Product Code: MM-AM25

Magic Mirror Amoeba™ is an Amoeba-inspired multimedia box that transforms any screen into a dynamic, interactive experience. Like the adaptable nature of an Amoeba, its flexibility allows it to serve as a game station, multimedia experience kiosk, virtual try-on kiosk, interactive learning station, fun AR photobooth, and more. Installation is quick and easy—simply bolt it onto any screen, and it's ready to go. Powered by a Type-C (5V5A) power source and capable of running on both Ethernet and Wi-Fi, the Amoeba can be mounted on either side of a digital screen, depending on the retailer's needs. Application options are fully customisable to align with the retailer's brand and store design.

Key Features

➤ Interactive Media Box

➤ Immersive branding with Engaging fun games.

➤ 50+ Application Available

➤ Take Photo with Virtual AR

➤ Social Media & Email Sharing

➤ AI Pose Estimation and Makeup Transfer

➤ Viewing and Usage Analytics

➤ CMS and Device Health Check

Hardware

1. **Compatible with any screen type up to 8K Ultra HD Image Quality.** Unlock the full potential of your kiosk setup with the Magic Mirror Amoeba™, a compact and powerful unit that delivers exceptional high-resolution video output, ensuring superior visual quality from smooth video frame rates to detailed text. It supports seamless output across a range of display sizes via HDMI, from 19-inch information kiosks to 88-inch screens, in both landscape and portrait orientations.

2. **Built-in powerful processor and 12MP camera.** It is powered by the SONY IM477 and an 8-core processor (built on a 8 nm LP process). The processor features an integrated AI accelerator NPU capable of delivering up to 6 TOPS, enabling enhanced performance for AI analytics and AR/VR applications. This combination ensures a smooth user experience while significantly enhancing immersive brand interactions, offering an exceptional multimedia experience to the audience.

3. **Adaptive to multiple add-on accessories.** Seamless Integration with versatile connectivity options and integrated adapters. The Magic Mirror Amoeba™ offers both Wi-Fi and LAN Ethernet connectivity. Multiple adapters provide reliable connections for essential peripherals, including USB for touchscreen, printer, mouse, and type-C for 5V power input. It reduces the need for extra hardware.

Software and Control Panel

1. **Intelligent AI Detection.** Magic Mirror Amoeba™ is designed to be a Smart Genie Media Box that could detect your gesture movement as well as user characteristics. It can collect visitor information for management to make data-centric decisions, also provide creative experiences to users such as emotion recognition, body gesture games, product recommendation based on user gender and appearance, and more.

2. **Easy to set up Application and Event.** The creation of application, event, playlist schedule, and devices are all manageable in one single view. 50+ customisable applications are ready to use, they are configurable to its special needs. It is suitable for all industries including retails, malls, supermarkets, public facilities, and events.

3. **Individual login credentials and data protection.** Security protection over user info, privacy data, media and copyright is always the main criteria for software. Magic Mirror is designed in a AAA (Authentication, authorization, and accounting) framework to contain all data securely in the server. The accessibility of individual accounts is being categorised to its user role and group. All media is protected under GDPR compliance disclaimer.

4. **Themes Editor.** Magic Mirror shares themes throughout the Assets Library. The themes are editable in order for rebranding each design to fit the event. You can reuse the graphical assets that are provided by Magic Mirror, then customise your text, date and brand logo for your questionnaire, product launching, festival event and more.

Magic Mirror Amoeba™

GENERAL SPECIFICATION

Power Voltages	5V 5A (Type-C power supply)
Power Consumption	15W - 20W
Dimension (mm)	130 (W) x 160 (H) x 60 (D)
Weight	780g
Casing	ASA Plastic with Metal Mourning Base
Colour	Black
Warranty	1 year manufacturer warranty
Country of origin	Made in the UK
Regional Availability	Global. Worldwide Shipping

PROCESSING UNIT

System Memory	Rockchip RK3588S (8nm LP process). Built-in AI accelerator NPU, up to 6 TOPS. Up to 2.4GHz Core Clusters
Operating System (OS)	Ubuntu22.04 , Android12
Graphic Card (GPU)	Arm Mali-G610 MP4, Built-in 3D GPU. 2D/3D graphics engine
Memory (RAM)	16GB (LPDDR5). 32GB eMMC
Storage	Build-in M.2 slot, support NVMe or SATA SSD

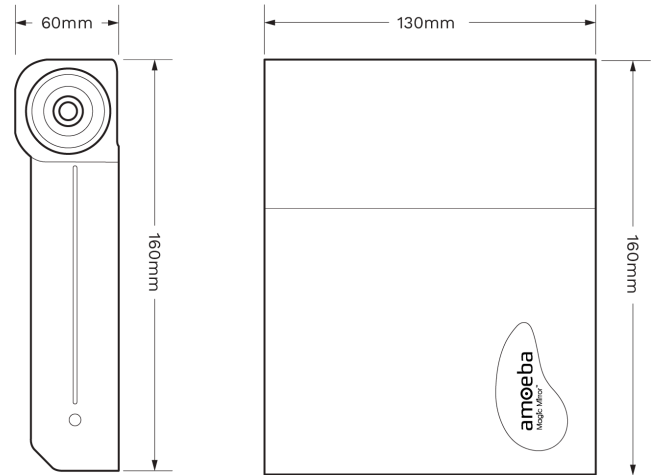## INPUT/ OUTPUT SPECIFICATIONS

Camera Input	SONY IMX477 sensor, 12.3 Megapixels Output: RAW 12/10/8, COMP8
Video Output	HDMI 2.1 up to 8K@60Hz
Audio Input (Build-in Microphone)	Directional Mic 80 db Signal to noise ratio
Audio Output	3.5mm headphone jack audio input/output HDMI 2.1 eARC
Ethernet	1000Mbps Ethernet
Wi-Fi and Bluetooth Module	Onboard Wi-Fi5+BT 5.0
Power Source	Supports Type-C power supply, 5V 5A

CASE SPECIFICATIONS

Key Features for Case Design	Built with lightweight and study curvature Dynamically mount on all direction Easy mount with 4x screws Direct connect cables with external port
External access port	1x Type-C Power Input (5V/5A) 4x USB Type A (1x USB3.0, 3x USB2.0) 1x RJ45 LAN Port 1x Audio jack (input/output) 2x HDMI (1x HDMI 2.1, 1x HDMI 2.0) 1x Wi-Fi 5 Antenna SMA Connector

WARRANTY & SUPPORT

1-year manufacturer warranty from date of purchase. Technical support is available through email and over the phone with a support contact

Dimension of Magic Mirror Amoeba (mm):
130 (W) X 160 (H) X 60 (D)

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