

# Hiboard-A86H

86" UHD Smart Interactive Whiteboard



## Features:

- 86-inch ELED 4K UHD module.
- Attractive appearance: Narrow border design at three sides, and delicate decoration and breathing light at the lower side.
- Multiple functions, including wireless projection, electronic whiteboard, file management, fingerprint unlock, multiple themes available, etc.
- Optional OPS module, compatible with mainstream OPS in the market.
- Supports projection via mobile phone, PC, and Mac.
- Supports 8-channel access and simultaneous display of 4-channel data.

## System Overview

Dahua smart interactive whiteboard adopts high-performance CPUs, GPU, advanced storage configuration, and Android 8.0 system to ensure its powerful processing capability. Equipped with the high-precision infrared frame of 2mm recognition diameter and 4K HD ELED module, the smart whiteboard can provide extraordinary experience in the aspects of writing, controlling, and demonstration. The smart whiteboard integrates various functions and features, such as multifunctional writing, wireless projection, conference content sharing, etc. The high performance and multiple functions make the whiteboard an ideal choice for occasions where demonstration, information sharing, and documentation management are needed, such as conference rooms, classrooms, and lecture halls, etc.

## Functions

### Lightweight & Power-efficiency

The smart interactive whiteboard adopts Edge LED (ELED), whose principle is to use an array of LED backlights along the outer edges of the screen. These LED backlights use a light guide or diffuser to emit light to the center of the screen. Based on this principle of light emission, ELED technology allows the designing of the extraordinary thin screen. With the adoption of ELED, the whiteboard is featured as power-efficiency and lightweight.

### High Performance

The smart interactive whiteboard is equipped with high-performance CPUs (Dual-core A53 + dual-core A73 CPU), GPU (4-core G51 GPU), and large-capacity storage configuration (4G + 32G storage configuration). Additionally, Android 8.0 system ensures powerful processing capability.

### Loop Out

Different from the ordinary screen that merely supports signal input, the smart interactive whiteboard has an HDMI output port, which supports up to 4K @ 60Hz output and the output resolution can be switched between 4K and 1080P, thereby achieving loop out.

## Dual-system Switchable

The smart interactive whiteboard supports the optional OPS module, which enables the operating system to be switched between Android and Windows without external network cable connection, thus facilitating system interaction. The built-in OPS power-off protection circuit ensures that OPS can be shut down normally when an abnormal power failure occurs, which accounts for the security of the system data.

## Multifunctional Writing:

Installed with Dahua's latest App, the smart interactive whiteboard supports both single-point writing and multi-point writing. IR touch-screen technology and advanced processing algorithms ensure smooth writing. In single-point writing mode, the canvas can be zoomed in to provide sufficient writing space. Multi-point writing mode supports 20-point writing simultaneously and ensures that multiple writing points do not interfere with each other. Meanwhile, smart interactive whiteboard supports other writing functions, such as original handwriting retention (eg. preserving the writing stroke) and fine erase, etc.

## Compatibility:

The smart interactive whiteboard supports projection via diversified mobile devices, such as PC, mobile phone, iPad, etc. A simultaneous display of 4-channel data is supported. When using PC projection, it supports reverse touch control of the PC from the electronic whiteboard, guaranteeing dual-way information interaction.

## Technical Specification

### Display

Size	86"
Brightness	400 cd/m <sup>2</sup>
Screen Level	A
Screen Type	IPS
Aspect Ratio	16:09
Backlight	ELED
Backlight Lifespan	30,000 hours
Resolution	3840 (H)×2160 (V)
Viewing Angle	178° horizontal, 178° vertical
Protective Glass	Anti-glare tempered glass, with surface hardness of Mohs 7

### Touch

Touch Technology	IR
Touch Points	20 points
Response Time	<10 ms
Writing Method	Fingerprint + stylus pen
Touch Accuracy	±1mm
Recognition Diameter	2mm
Theoretical Times of Touch	Unlimited
Communication Mode	USB
Operating System	Windows 7/8/10, Android

### Speaker

Speaker	Built-in speaker
Power	10W×2
Frequency	350 Hz–20 KHz
Speaker Cavity	4 (2 full-range cavities, and 2 high-range cavities)

### Fingerprint

Fingerprints Allowed	256
Resolution	508DPI
False Acceptance Rate (FAR)	<0.001%
False Rejection Rate (FRR)	<0.1%

### Wi-Fi

Wi-Fi	2.4GHz/5GHz, 802.11 a/b/g/n/ac wireless frequency band
Hotspot	2.4 GHz/5 GHz, supports simultaneously enabling hotspot and Wi-Fi
Working Distance	> 10m

### Ports

Input	HDMI2.0×2
	Display port×1
	VGA+PC AUDIO IN×1
	AV×1
	YPbPr×1
Output	RS232×1
	HDMI 4K@60Hz output 2.0
	Audio output (built-in speaker) Headset output
USB	Type A: USB3.0×3 (OPS, Android), USB2.0×1 (Android)
	Type B: USB (square)×3 (DP&VGA touch×1, HDMI 1 touch×1, HDMI 2 touch×1)
Ethernet	RJ45 1000M port×2
TF Card Slot	Supports 128G TF card

### Mainboard

CPU	Dual-core A53+dual-core A73
GPU Clock Speed	1.5 GHZ
GPU	4-core G51
RAM	4G
Storage	32G
Operating System	Android 8.0

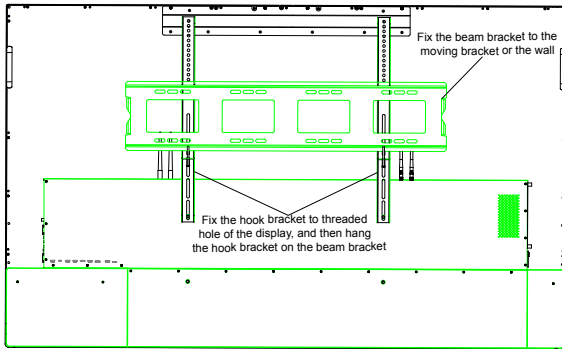
### Working Environment

Power Supply	100 V–240 V AC, 50/60Hz
Maximum Power Consumption	270W
Standby Power Consumption	≤ 0.5W
Gross Weight	101.5kg (223.77lb)
Size (Width × Height × Thickness) (Min. Thickness)	1966mm × 1188mm × 75mm (28mm) 77.40" × 46.77" × 2.95" (1.10")
Housing Material	Metal
Housing Color	Space gray on the up and down sides, black on the left and right sides
Working Temperature	–10°C to +45°C (+14°F to +113°F)

## Ordering Information

Type	Part Number	Description
Interactive flat panel display	Hiboard-A86H	86-inch LCD interactive flat panel display

## Installation



## Dimensions (mm[inch])

