

Interactive Flat Panel Display Specification

- Product Name** : NatVin 86 Inch 4K Touch Flat Panel Display
- Product Model** : KL-E086SA
- Main Features** :
- AG Anti-Glare Tempered Glass
 - Intelligent and Convenient Writing
 - Multiple Screen Interaction
 - Remote Video Call
 - Smart wireless sharing from multiple devices



The pictures are for reference only. Please refer to the real object

Product Characteristics

01. System Properties

- (1) Equipped with Android 13 Smart OS and unique UI design;
- (2) Built-in 4-core CPU with RAM 8GB DDR and ROM 128G storage capacity faster operating speed & larger storage space
- (3) Support Switching between Android and Windows OS(Optional), with the front public USB interface automatically following the system for recognition.

02. Appearance and Intelligent Touch

- (1) Elegant ID Design that can be widely used in many occasion, and the overall dimension: length ≥ 1970 mm, height ≥ 1187 mm, thickness ≤ 84 mm;
- (2) Smooth design of corner and fillet to reduce the sharp corner protrusion and ensure the safety in use;
- (3) Full-flat integrated design of the home- and sub-screens with a clear and unobstructed view and no drop across such screens when writing on the board;
- (4) Convenient connected with other devices through front interfaces: USB3.0 x 3, HDMI x 1, and Touch USB x 1, Type-c x1 for easy access to equipment and USB flash disk;
- (5) Front buttons include Power, Home, Menu, Volume plus/minus, return, for faster operation;
- (6) Equipped with high-precision touch panel, which supports 2 mm meticulous and independent writing and accurate recognition without any shake;
- (7) Support smart zooming in/out, rotating and erasing by fingers;
- (8) After meeting you can record your meeting minutes very easily, scan the code and share the information.

03. Display and Writing

- (1) Using 3.2mm AG anti-glare tempered glass and full lamination process with 178° wide viewing angle for clear and unobstructed side color and display without being affected by ambient light;
- (2) Level 7 of MOHS hardness, making the screen unbroken and splashed when impacted, as well as unscratched when writing normally;
- (3) Supporting intelligent eye protection mode to take care of the eyes of teachers and students;
- (4) Supporting the switching of writing with single pen and multiple pens, and the recognition of gesture erasing both under whiteboard and annotation.

04. Application Modules

- (1) Equipped with 2.4G/5G dual-band, supporting simultaneous use of wireless Internet access and WIFI hot-spots, with the antennas featuring a concealed design;
- (2) Bluetooth module supports wireless connection with and transfers data to phones, and other Bluetooth devices.

05. Video Display

- (1) High definition image processing engine: image motion compensation, color enhancement
- (2) Processing, point-to-point precision display technology, and live video without distortion or lag;
- (3) Customized boot screen, boot animation replacement for special scenario needs;
- (4) Local media player supports automatic recognition and playback of files in audio, video and picture formats.
- (5) Built-in 50 million cameras +8 array microphones

06. Instructional Software

- (1) Supporting the log in- free use of local teaching tools, and the calling of annotations, timers and other auxiliary tools under other signal sources;
- (2) Files in video and picture formats can be inserted into the software for playback and viewing, and can be moved, zoomed, and copied, and the display can be switched by following the page;
- (3) Supporting the drawing of straight lines, dashed lines, rectangles, circles and other basic graphics, as well as that of common 3D geometric graphics;
- (4) Searching in whiteboard, one- click insertion of content screen shots into the whiteboard, and supporting the insertions of screen shots of other applications or pages into the whiteboard;
- (5) Provided with calculator, timer, calendar, child-lock and other auxiliary tools of education;
- (6) Supporting screen recording under any signal source, and the recording files are saved to android local folder by default;

Main Specifications and Parameters

01. Specification Overview

Certified Models	KL-E086
Display	
Screen Size	86" (16:9)
Backlight Types	D-LED
Resolution	3,840 x 2,160 (UHD)
Brightness	$\geq 350\text{Cd/m}^2$
Screen Contrast	1,200: 1 (Typ.)
Response Time	8 ms
Pixel Pitch	493.5 (H) x 493.5 (V)
Frame Rate	60 Hz
Angle of View	178° (H) / 178° (V)
Color Saturation (x% NTSC)	72%
Visible Area	1895.4(H) x 1065.96(V)
Colorfulness	1.07G (10bit)
Service Life	30,000 hrs

System Properties	
System Version	Android 14
CPU Architecture	A73*4+A53*4
CPU Operating Frequency	2.2GHz
Number of CPU Cores	Octa-core
GPU	G52*8
Internal Cache Capacity (RAM)	8 GB DDR
Internal Storage Capacity (ROM)	128 GB Standard
Power Parameters	
Voltage	110 V ~ 240 V/AC, 50/60 Hz
Max. Frequency (w/o OPS)	≤ 430 W (Exclude OPS)
OPS Power Supply	18V (DC) /5A
Standby Power Consumption	< 0.5 W
Power (AC) input	1
Camera Microphone	
Support USB Connected Camera	Built-in 50 million cameras +8 array microphones
Functions	
Sound Power	20 W x 2+20x1 Bass effect speaker
Frequency Band	2.4 GHz/5 GHz
WIFI Standard	802. 11a/b/g/n/ac
Bluetooth	5.0
I/O Interface	
HDMI IN Interface	2
DP Interface	1
OPS Interface	1
LAN (RJ45) Interface	2
USB 2.0 Interface	1
USB 3.0 Interface	2
USB Type-c Interface	1

VGA interface	1
Audio interface	1
Remote Control Port	
RS232 interface	1
Output Interface	
Optical Interface	1
Touch Interface	2
Line Interface	1
HDMI Interface	1
Motherboard Port Picture	
	
Front Interface	
Global Function Type- c Interface Support 65W Charging	1
USB 3.0 Interface	3
Touch USB Interface	1
HDMI IN Interface	1
Front Port Picture	
Environmental Factors	
Operating Temperature	0°C~ 55°C
Storage Temperature	-10°C~ 60°C
Operating Humidity	20% ~ 80% Non-condensing
Storage Humidity	10% ~ 80% Non-condensing
Structure	
Net Weight	About 74 Kg
Gross Weight	About 84 Kg
Bare Size (L x W x H)	1970×92×1187mm

Packing size (L x W x H)	2115×230×1288 mm
Case Material (surface Frame / Back Cover)	Home screen: aluminum profile / sheet metal Sub- screen: aluminum profile / (bezel) / aluminum honeycomb panel (Writing board)
Case color	Black
VESA Mount	800*400 (4-M8 Screw)
Movable stand	Optional

Random Accessories

Power Cable	1.8 m
Remote Control	1
Wall Mounted Bracket	1
Touch Pen (Magnetic Style)	1

Touch and Writing System

01. Draw, write & inspire new ideas

This intelligent interactive board provides smooth and familiar pen-to-paper-like writing in a variety of colors, styles and widths, while Brush Mode allows users to create art at the stroke of a brush in watercolor and oil painting modes. Different people can write simultaneously and erase drawings with a finger or palm swipe.

02. Main Specifications and Parameters

Touch	IR touch
Glass	3.2mm AG Anti- Glare Tempered Glass
Maximum Touch Points	20
Touch Precision	± 1 mm
Output Form	HID (None Driver)
Number of Theoretical Clicks	Unlimited
Input Form	Fingers or Special Pens
Interface Type	Two-way USB/UART
Operating Temperature	0°C~ 55°C
Touch Resolution	32767*32767
Transmission Speed	12 Mbps
Multi- Touch Supported Operating System	Multi-point : Windows 7/8/10, Android Single-point : Windows, Android,Mac OS, Lunix

Six Views of the Product (mm)

