

Data Sheet

iWB86-NE-4K-PRO

Vistrol Neos 86" 4K Interactive Whiteboard

Description

The iWB86-NE-4K-PRO is an industrial grade Interactive Whiteboard, designed specifically for interactive teaching and presentation applications. Combines a premium touch experience with writing software for annotation and wireless share of displays running on iOS, Android, MS Windows, MacOS and Linux. High definitions and anti-glare tempered glass, achieving a nice viewing and good image quality.



✓ Feature

- Large DLED LCD 86" (16:9)
- Built-in Android 13 with EDLA Support
- 4K Display (3840 x 2160 @60Hz)
- 10-point simultaneous writing
- 50-point touch
- Built-in 48MP 4K Camera
- Built-in 8 Linear Isometric Array Mic
- 2.1 Channel Stereo Speaker (Max. 70W)
- Support Wi-Fi 6, dual-band 2.4G/5G, AP+STA working mode.

✓ Technical Specifications

PANEL	
Model Number	iWB86-NE-4K-PRO
Screen Diagonal	86"
Resolution	4K UHD (3840 x 2160 @60Hz)
Aspect Ratio	16:9
Viewing Area Size (WxH)	1895.04mm(H) x 1065.96mm(V)
Backlight	DLED LCD Display
Brightness (nits)	450 nits
Contrast Ratio	4,000:1/1,200:1
Backlight Life	>50,000 hours
Viewing Angle (H/V)	178°/ 178°
Display Color	1.07 Billion
Housing Color/Type	Black/ White
Tempered Glass	3mm Mohs 7 Tempered Anti-Glare Glass

SYSTEM PARAMETERS

Chips	RK3588
Android Version	Android 13 with EDLA support
CPU	Quad-core ARM Cortex A76 + Quad-core ARM Cortex-A55
GPU	ARM Mali-G610 MP4
RAM	8GB DDR4 (Upgradable to 32GB)
Storage	64GB (Upgradable to 256GB)
OSD	Multi Languages

REAR INTERFACE

HDMI In 2.0	3
HDMI Out	1
DP	1
RS232	1
USB 3.0	2
USB 2.0	1
USB Type-C In	1 (DP1.2 In+Touch+PD100W+USB 3.0)
USB Type-C Out	1 (DP1.2 Out + PD Max.5W+USB 3.0)
RJ45 In	1x 10/100/1000Mbps
RJ45 Out	1x 10/100/1000Mbps
SPDIF Out	1
VGA	1
PC Audio In	1
Mini Line-Out	1
Touch USB type-B 3.0	3
OPS Slot	1x 80Pins (Max.80W)

FRONT INTERFACE

HDMI In 2.0	1
Touch USB type-B	1
USB Type-C	1(DP1.2+Touch+PD 65W+USB 2.0+100Mbps)
USB 3.0	2

TOUCH PARAMETERS

Touch Technology	Infrared multi-scan technology
Touch Type	50-point
Touch Accuracy	±0.5mm (more than 90% touch area) 10 pens with 2mm tip
Touch Tool	Fingers, touch pens and other opaque objects
Interpolation Resolution	32768(W) x 32768(D)
Multi Level Touch	Support multilevel writing recognition, up to Level 5 (2.6/6.8/11/30/50 mm)
Palm Rejection	Support Dual Palm Rejection(Accurate recognition rate>95%)
Touch Height	<0.9mm (height of AI structure)
Response Time	<2ms
Passive Pressure Writing	Advanced
Eraser Rotation	Support
Operating System	Windows7 and above/Linux/Mac/Android/Chrome

AUDIO PARAMETERS

Channel	2.1
Speaker	Tweeter: 2x25W Woofer: 1x20W(Max. output)
Sound Output Direction	Slot front out + bass back out

WIRELESS

Wi-Fi	Wi-Fi 6, dual-band 2.4G/5G, AP+STA working mode
Bluetooth	Bluetooth 5.2

CAMERA

Pixel	48MP
Max. Resolution	4160 x 3120(8000 x 6000) in Windows
Field of view	DFOV: 118° HFOV: 94° VFOV: 75°
Features	Panorama Mode, Best View Mode, Smart Split Screen Mode, Gesture Tracking Mode, Speaker Tracking Mode

MICROPHONE

Type	8 Linear Isometric Array Mic (Physical 4 array mic)
Signal-to-noise ratio	64db
Pickup distance	10 m
Pickup angle	0~180°
Features	Support noise suppression, reverberation suppression, echo cancellation, sound source location, far field pickup, speech enhancement

PHYSICAL SPECIFICATIONS

Total Dimension (WxHxD)	1953.2 x 1192.2 x 146.6mm
Net Weight	65±0.5Kg
Gross Weight	78±0.5Kg
VESA Mounting	800 x 400mm (M8 x 25mm)

POWER

Power Consumption	450W
Standby Power Consumption	0.5W
Power Input	AC 100-240 V, 50Hz ~ 60Hz 4.5A

ENVIRONMENTAL CONDITIONS

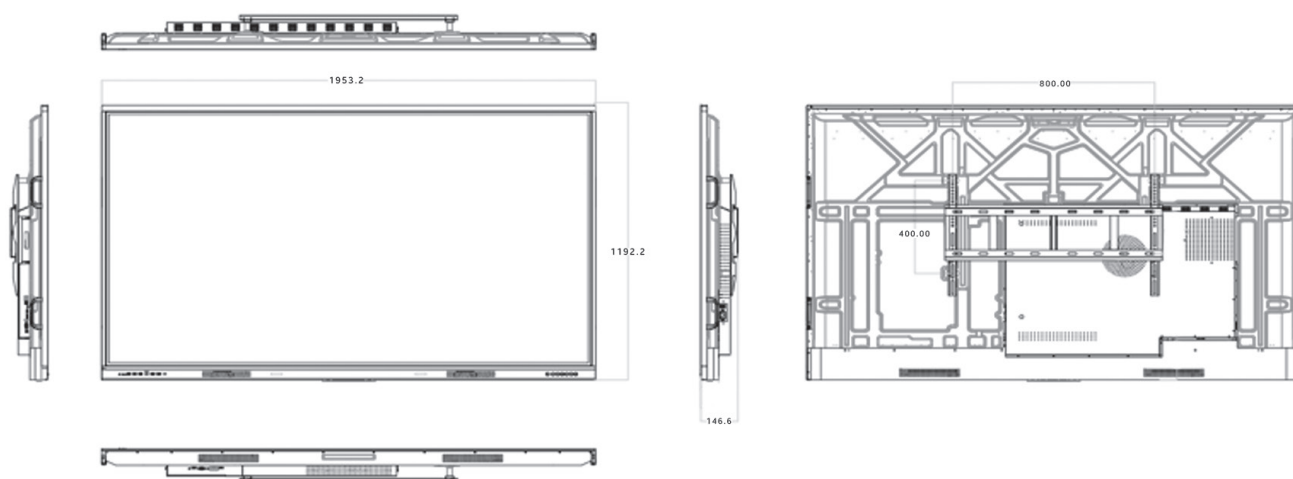
Operating Temperature	0 °C - 40 °C
Storage Temperature	-20 °C - 60 °C
Operating Humidity	10 % ~ 90 % non-condensing humidity
Storage Humidity	10 % ~ 90 % non-condensing humidity
Altitude	Below 5,000 meters

OTHERS

Accessories	Power cable 3mx1, Writing penx2, WiFi modulex1, HDMI 3mx1, USB A-B 3mx1, Remote controlx1
Wall mount	Included

OPTIONAL

OPS PC	Intel OPS standard module, 80 pins, 180 x 120 x 30 mm (Compatible with most sizes of OPS)
Mounting Installation	Carts & Wall Mount
Certificate	CE, RoHS

✓ Mechanical Drawing**Vistrol**

Singapore | Malaysia

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