

Data Sheet

iWB105-NE-5K-PRO

Vistrol Neos 105" 5K Panoramic Interactive Flat Panel

Description

The iWB105-NE-4K-PRO is an industrial grade Interactive Whiteboard, designed specifically for interactives 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 105" (21:9)
- Built-in Android 13 with EDLA Support
- 5K Display (5120 x 2160p)
- 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	iWB105-NE-4K-PRO
Screen Diagonal	105"
Resolution	5K (5120 x 2160 @60Hz)
Aspect Ratio	21:9
Viewing Area Size (WxH)	2449.92(H) x 1033.56(V)mm
Backlight	DLED LCD Display
Brightness (nits)	450 nits
Contrast Ratio	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	4mm 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
NPU	Computing power is up to 6TOPs
RAM	8GB DDR4 (Upgradable to 32GB)
Storage	64GB (Upgradable to 256GB Byte)
OSD	Multi Languages

REAR INTERFACE

HDMI In 2.0	3
HDMI Out	1 <i>*(HDMI OUT or Type-C OUT, due to 5K resolution, only 1 OUT is available)</i>
DP	1
RS232	1
USB 3.0	2
USB 2.0	1
Type-C/USB-C In	1(DP1.2 IN+Touch+PD 15W, Max.100W optional+USB 3.0)
Type-C/USB-C Out	1(DP1.2 Out+ PD Max.5W+USB 3.0) <i>*(HDMI Out or Type-C Out, due to 5K resolution, only 1 Out is available)</i>
RJ45 In	1x10/100/11000Mbps
RJ45 Out	1x10/100/1000Mbps
SPDIF Out	1
VGA	1
PC Audio In	1
Mini Line Out	1
Touch USB type-B 3.0	3
OPS Slot	1x80Pins (Max.80W)

FRONT INTERFACE

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

TOUCH PARAMETER

Touch Technology	R30 Infrared multi-scan technology, 500 HZ refresh rate
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 x 32768
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

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

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	10m
Pickup Angle	0~180°
Features	Support noise suppression, reverberation suppression, echo cancellation, sound source location, far field pickup, speech enhancement

WIRELESS

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

POWER SUPPLY

Voltage	100-240V~50/60Hz 4.5A
Working Power Consumption	600W
Standby Power Consumption	0.5W

PHYSICAL SPECIFICATIONS

Dimension WxHxD	2507.7mm x 1165.2mm x 136.5mm (with bracket)
VESA	1000mm x 400mm (M8 x 25mm)
Net Weight	87±0.5 Kg
Gross Weight	105±0.5 Kg

ENVIRONMENTAL CONDITIONS

Operation Temperature	0 °C - 40 °C
Storage Temperature	-20 °C - 60 °C
Operation Humidity	10 % - 90 % non-condensing humidity
Storage Humidity	10 % - 90 % non-condensing humidity
Altitude	Below 5000 meters

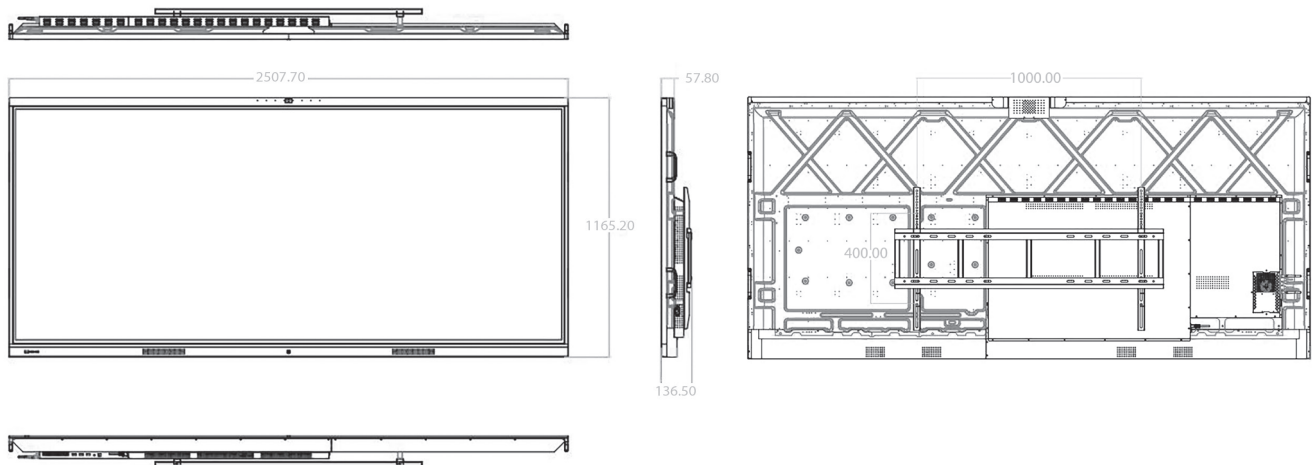
OTHERS

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

w www.vistrol.com
e sales@vistrol.com

* For any enquiry , please send email to sales@vistrol.com

ISO 9001:2005 Certified Company:



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