



Pentagon

Tech Fusion Services Pvt. Ltd.

PenTouch PTw 65

FEATURES



- Ultra Resolution Output.
- Zero bonding technology for natural writing experience.
- Front audio stereophonic speakers.
- Industrial grade Aluminium frame.
- Multiple signal input HDMI, SPDIF, RS232, AV I/O, Earphone.
- Infrared touch technology for rich writing experience.
- Password Lock protected.
- 500cd/m² high brightness.
- Built in Android OS with optional windows 10 OS.
- 4mm protect and anti-scratch glass.

SPECIFICATION

TECHNICAL SPECIFICATION

| | |
|--------------------------------|---|
| Diagonal Size | 65" |
| Bonding Technology | Zero Bonding |
| Screen Technology | IPSTechnology with LED-backlit LCDs |
| Aspect Ratio | 16:9 |
| Pixel Pitch | 0.372(W) x 0.372(H) |
| Response | 4ms |
| Resolution | 3840 x 2160 pixels |
| Contrast Ratio | 15000:1 |
| Brightness(cd/m ²) | 500cd/m ² |
| Display Area | 1428.48 (W) X 803.52(H) mm |
| Color | 8bit+FRC (1.07 billion color) |
| View Angle | H:178° V:178° |
| LED Lifespan | 60,000* hours |
| System | |
| OS | Android 11.0 |
| CPU | M9666-A55*4 |
| GPU | Mali-G52 Mp2 |
| RAM | 4GB (Optional 8 GB RAM) |
| Storage | 64GB (Optional & Upgradable upto 128GB) |
| OSD Language | English |
| Video Format | PAN, NTSC |
| Optimum Resolution | 3840 x 2160 pixels @ 60 HZ |



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|--------------------|--|
| Support Resolution | 3840x2160, 1920x1080, 1680x1050, 1600x1200, 1440x1050, 1360x768, |
| Video Format | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K |
| I/O Port | |
| Front Input | HDMI In(2.0)*1, Touch (USB2.0 Type-B)*1, USB 3.0 Type -B*2, Typ C, Mic In |
| Rear Input/ Output | HDMI IN *24K60, DP IN *1 DP1.2, VGA*1, VGA AUDIO IN(Aux3.5)*1 Earphone *1 Aux3.5, HDMI OUT 2.0 *1, SPDIF Out*1, Audio- VGA*1, VGA*1 USB 2.0(android)*1, USB 2.0(public)*2, Touch USB(2.0 Type-B)*1 , RS232*1, OPS Slots*1, Type-C(For camera USB 2.0) |

Media Format

| | |
|---------|--|
| Audio | MP3, WMA, WAV, APE, FLAC, AAC, OGG, M4A,3GPP |
| Video | H.264,VP8, RV, WMV, AVS, H.263, MPEG4 |
| Picture | JPG, BMP, PNG |

Touch Features

| | |
|----------------------|---|
| Touch Type | Infra-red Touch, 20 Point Touch (Android), 40 Points (Windows) |
| Glass Hardness | 9H (pencil) |
| Glass Type | 4mm Mohs Grade 8, Heat Tempered Glass, Explosion Proof, Anti Glare, etc |
| Response Time | 4ms |
| Touch Object | All Opaque objects, such as Finger, Stylus Pen etc. |
| Touch Resolution | 32768 x 32768 pixels |
| Touch Accuracy | 1mm |
| Tracking Rate | 4m/s |
| Scan Rate | 200Hz |
| MTF | 60million touch by each points |
| Minimum Touch Object | ≥ 1MM |

Audio

| | |
|------------------------|---|
| Speaker | 2 x 20W (Stereo) {Optional with 24/10-Watt x 2 Subwoofer Audio} |
| Speaker Freq. Response | 250Hz-20KHz SPL- 10dB |
| Transmission Range | 5M |
| Speaker Position | Bottom front |

Software (Wifi- Casting)

| | |
|---------------------------------|---|
| Non App Casting | Allow users to cast their contents without using additional APP , support AirPlay, DLNA, Miracast, ChromeCast, Webcast. |
| IFPD Mirror | All students or attendees can simultaneously view the content displayed on the IFP with their own screens. |
| Display Group | Share your screen to multiple IFPDs simultaneously , or share the screen from the main IFP to all grouped IFPs in real time. |
| 9 Split Screens | Allow users to share their contents from maximum 9 different devices at the same time. |
| One-to - Many screen sharing | Share your screen from Win/macOS/Chrome/Android/iOS/Ubuntu device to multiple IFPDs simultaneously. |

Software (WhiteBoard)

| | |
|------------------|---|
| IWB file format | As a universal format, a IWB file can be prepared by using different software. |
| YouTube Steaming | Searching and adding contents from YouTube helps to draw students' attention in the class. |

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Sticky Note

using the digital sticky notes to transform your brainstorming

Ruler tools

Expandable or rotatable rulers allow user to draw a straight(or arc) line along the edge.

PDF Import

Import the PDF file to the whiteboard, it helps users to save time on edit the contents

OPS PC (Optional)

CPU

Option : Core i3 / Core i5 / Core i7

RAM

Option : 4GB, 8GB, 16GB

Hard Disk

SSD 128GB~2TB or HDD 500GB~4TB

I/O Port

USB2.0X2, USB3.0X2, MICX1, LINE OUTX1, RJ45X1, VGAX1, HDMIX1

Function Features

Amazing OSD

Humanity beautiful OSD, Touch control, Floating menu

Multiple Control

Support remote control, RS232, Touch control

Touch OSD

Touch Slide From Bottom To Start The Hidden OSD Menu

20 Points Touch

IR 20 Point Fast Response Touch

Multiple I/O

Support HDMI / VGA / CVBS

Physical Features

Power

AC 100 ~ 240V / 60-50Hz

Consumption

Max ≤ 250W, Normal ≤ 220W, Standby ≤ 1.0W

Body Material

Silver Aluminium frame, Black metal cover

Color

Silver

Temperature

Work : 0°C ~40°C, **Storage :** -15° ~ 55°C

Humidity

Work : 20% to 80%, **Storage :** 20 to 90% (Non Condensing)

Noise

Working Noise <50dBA

Product Dimension

1479.9mm x 923.6mm x 106.1mm (without wall mounting bracket or Floor Stand)

Weight

Net Weight: 62KG. **Gross Weight:** 72KG

Package Dimension

1610mm x 1020mm x 190mm

Other

Accessories

Remote Controller x 1, Power Cord x 1, Magnetic Stylus Pens x 2, Warranty Card x1 ,Wall Mount Bracket x 1

Option

Floor Stand Bracket

Optional

Buil-In Camera

Yes

Resolution

4K@ 30 Hz /UHD

Field of View

120° FOV Lenses

Pixel

8M

Tilt Range

15

Certification

BIS, CE, FCC, RoHS



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