# PenTouch PTw 75

## 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 | 75" |
| Bonding Technology | Zero Bonding |
| Screen Technology | IPS Technology 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/m2) | 500cd/m² |
| Display Area | 1650.24 (W) X 928.26(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)**

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|---|---|
| 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. |

| | |
|---|---|
| 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**

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|---|---|
| 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**

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|---|---|
| Power Consumption | AC 100 ~ 240V / 60-50Hz 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:** 58KG. **Gross Weight:** 69KG |
| Package Dimension | 1870mm x 1150mm x 220mm |

**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 |