



**Pentagon**  
Tech Fusion Services Pvt. Ltd.



**GeM**  
Government  
e Marketplace

## PenTouch PTw 65



### FEATURES

- Perfect 4K resolution
- Front audio stereophonic speaker
- Industrial grade aluminum frame
- Multiple signal input HDMI, VGA, Video, YPbPr, TV etc.
- Infrared touch technology for rich writing experience
- Password / Pattern Lock protected
- 4mm protect glass and anti-scratch
- 20 points touch, in-built Screen recorder, 4ms response time
- Support APK install & authorize management, permit or forbidden application

android 11



Multiple Viewing Modes



Wide Viewing Angle



Multiple Display Signal Input



Multiple Viewing Modes



50% Power Saving

### Technical Specification

#### LCD Panel

|                   |                                 |
|-------------------|---------------------------------|
| Diagonal Size     | 65"                             |
| Backlight Type    | IPS Technology with LED-backlit |
| Aspect Ratio      | 16:9                            |
| Pixel Pitch       | 0.372(H) x 0.372(W)             |
| Response          | 4ms                             |
| Resolution        | 3840 x 2160                     |
| Contrast Ratio    | 15000:1                         |
| Brightness(cd/m2) | 500cd/m2                        |
| Display area      | 1428.48mm(H) X 803.52mm(V)      |
| Color             | 1.07 Billion Colors (10 BIT)    |
| View Angle        | 178°                            |

#### System

|                |   |
|----------------|---|
| OS             | Android 11.0 or 13.0 (As Per the Requirement) |
| CPU            | Amlogic T982, Cortex-A55, 1.9GHz              |
| GPU            | Mali-G52                                      |
| RAM            | 4 GB (8 GB Optional)                          |
| FLASH (Memory) | 64GB (128 GB Optional)                        |

#### I/O Port

|            |  |
|------------|--|
| Rear Input | HDMI2.0 x 2, USB3.0 x 1, USB2.0 x 1, SPDIF x 1, Rs232 x 1, Touch USB x 1, Rj45 Earphone x 1, Coaxial x 1, 2.4G Wi-Fi x 1, (5G Wi-Fi x 1 Optional), 2.4GHz Hotpointx 1, 5GHz Hotpoint x 1, Bluetooth5.0 x 1, AV input x 1, AV output x 1. |
|------------|--|

Optional Port (VGA input, PC audio, YPbPr input x 1, HDMI output, RF tuner, Microphone in

|                          |  |
|--------------------------|--|
| Front Input              | USB3.0 x 2 , USB2.0 x 1 , HDMI2.0 x 1, Touch USB x 1, Type-C x 1, Light Sensor x 1   |
| <b>Media Format</b>      |  |
| Audio                    | Mp3, WMA, WAV, APE, FLAC, AAC, OGG, M4A, 3GPP  |
| Video                    | H.264, VP 8, RV, WMV, AVS, H.263, MPEG4  |
| Picture                  | JPG, BMP, PNG  |
| <b>Touch Features</b>    |  |
| Touch Type               | Infrared Touch, 20points Touch   |
| Glass                    | 4mm, Morse 8 grade tempered glass, Explosion proof, antiglare, etc.  |
| Transmittance            | >92%   |
| Glass Hardness           | 9H (pencil)  |
| Touch Precision          | ≤1mm   |
| Touch Object             | All Opaque object, such as finger, pen etc   |
| MTF                      | 60 million touch by each points  |
| Minimum Touch Object     | ≥ 1mm  |
| Anti light               | Incandescent lamp (220V,100W) Distance > 350mm, Sunlight illumination<90000Lux   |
| Interface                | USB  |
| <b>Audio</b>             |  |
| Speaker                  | 2 x 20W (Stereo) {Optional with 10/15/25-Watt Subwoofer Audio}   |
| <b>OPS PC (optional)</b> |  |
| CPU                      | Core i3 / Core i5 / Core i7  |
| Memory                   | Option 4GB / 8GB / 16GB / 32GB   |
| Hard disk                | SSD: 128GB/256GB + Option to connect SATA HDD upto 4 TB  |
| I/O port                 | USB2.0*2, USB3.0*2, MIC*1, LINE OUT*1, RJ45*1, VGA*1, HDMI*1   |
| OPS Dimension            | 30mm or 42mm   |
| <b>Tech Features</b>     |  |
| Language                 | English  |
| Video Format             | PAL, NTSC  |
| Working Mode             | 24x7 hrs   |
| Display Light            | 60,000* hrs  |
| Frequency                | Horizontal Frequency : 20 ~ 82KHz (Anolog & Digital) Vertical Frequency: 55 ~ 75Hz   |
| Optimum Resolution       | 3840 x 2160 @ 60HZ   |
| Support Resolution       | 3840 x 2160, 1920 x 1080, 1680 x 1050, 1600 x 1200, 1440 x 1050, 1360 x 768, 1280 x 1024<br>1280 x 768, 1024 x 768, 832 x 624, 800 x 600, 720 x 400, 600 x 480 |
| Video Format             | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K   |
| <b>Function Features</b> |  |
| Amazing OSD              | Humanity beautiful OSD, Touch control  |
| Multiple Control         | Support remote control, keyboard, RS232, Touch control   |
| Touch OSD                | Touch slide from bottom to start the hidden OSD menu   |
| Sunlight Readable        | Suit for lots of place, it can readable at sunlight  |
| Touch                    | 20 points touch  |
| Multiple I/O             | Support HDMI / VGA / CVBS / YPbPr / Display Port / TV  |
| Input Auto Scan          | Auto scan the input signal, and countdown tips   |
| Customize Mode           | Preset Standard, Warm, Cinema, Meeting work mode and support customize   |
| Airplay                  | iPhone, iPad wireless display on TAI0 monitor by airplay   |
| Software                 | White board, Mirror display, Comment etc.  |



## Physical Features

|                   |   |
|-------------------|---|
| Power Supply      | AC 100 ~ 240V/ 2-5A, 50-60Hz,                                     |
| Consumption       | Working $\leq$ 200W, Standby $\leq$ 1W                            |
| Body material     | Aluminium, Metal  |
| Color             | Deep Grey Front, Black Cover                                      |
| Temperature       | Work: 0°C ~ 50°C, Storage : -10° ~ 60°C .                         |
| Humidity          | Work: 10% to 90%, Storage: 0 to 95% (Non-Condensing)              |
| Noise             | Working Noise < 50dBA   |
| Product Dimension | 1479.9*923.6*106.1mm  |
| VESA hole         | 200 x 200 mm (4*M8 screw)   |
| Weight            | NW: 38Kg $\pm$ 1.5Kg, GW: 47Kg $\pm$ 1.5Kg                        |
| Package Dimension | 1600*1025*215MM   |
| <b>Other</b>      |   |
| Accessories       | Remote control*1, Power Cord*1, Wi-Fi antenna *1, USB TOUCH CABLE |
| Option            | HDMI, DVI, VGA, BNC, Wall Mount Bracket / Floor stand set         |
| Quality Standards | BIS, CE, FCC, RoHS  |

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