



Pentagon
Tech Fusion Services Pvt. Ltd.



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PenTouch PTw 86



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

Technical Specification

Diagonal Size	86"
Screen Technology	IPS Technology with LED-backlit LCDs
Aspect Ratio	16:9
Pixel pitch	0.4928(H) x 0.4928(L)
Response	4ms
Resolution	3840 x 2160
Contrast Ratio	15000:1
Brightness(cd/m2)	500cd/m2
Display area	1872mm(H) x 1053mm(V)
Color	1.07 Billion Colors (10 BIT)
View Angle	178°
System	
OS	Android 11.0
CPU	Amlogic T982, Quad Core Cortex-A55, 1.5GHz
GPU	Mali-G52
RAM	4GB
FLASH (Memory)	32GB (64 GB Optional & Upgradable upto 128GB)
I/O Port	
Rear Input	HDMI IN*2, USB2.0*1, USB3.0*1, TOUCH USB*1, RS-232*1, Earphone*1, COAX*1, RS-232*1, 2.4G Wi-Fi*1, 5G WiFi*1, 5G Hotpoint*1, Bluetooth5.0*1, AV input*1, VGA IN*1(optional), PC-AUDIO*1(optional), YPbPr Input*1(option), HDMI Output (option), RF Tuner (option)

Front Input Type-C*1, (Default is the features of USB and Charge; The features of HDMI Input, LAN, USB are Options), USB*3, HDMI*1, Touch USB *1 & HDMI Out*1Nos. (Option)

Media Format

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

Touch Features

Touch Type Infrared Touch, 20points Touch

Glass 4mm, Morse 8 grade tempered glass, Explosion proof, anti glare, etc.

Transmittance >92%

Response Time 4ms

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

Audio

Speaker 2 x 20W Stereo {Optional with 10-Watt Subwoofer Audio}

OPS PC (optional)

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

Tech Features

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
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

Function Features

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 ≤300W, Standby ≤0.5W
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	1946*1181.8*106.4mm
VESA hole	600 x 400 mm (4*M8 screw)
Weight	NW: 92.7Kg ± 1.5Kg; GW: 110KG ± 1.5Kg
Package Dimension	2110*1315*240MM
Other	
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
Certificates	BIS, CE, RoHS, GMP, ISO 9000:1, ISO 2700:1

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