



# TOUCHBOARD

LED MULTI-TOUCH PANELS

PRODUCT SPECIFICATIONS



## TOUCHBOARD PCAP PRO

LED MULTI-TOUCH PANEL

TBP-65-PCAP

## DIGITAL TOOLS FOR BUSINESS AND CORPORATE ENVIRONMENTS



### TouchBoard PCAP Pro Features

- PCAP Touch Technology
- Built-in 4M HD Camera
  - Built-in 6 Mic Array
- Android 8 Quad Core

## TOUCHBOARD FEATURES



### ANDROID

Upgradable Android operating platform, it's as easy to use like your smartphone or tablet. It comes pre-loaded with a suite of specially selected apps to get you started right away.



### SCREEN PROJECTION

Collaborate by mirroring your screen flawlessly in real time. Multi-screen mirroring with student interaction while browsing and sharing files, videos and photos. Students can share their display from their devices, creating a collaborative environment.

### 4K

### ULTRA-CLEAR 4K UHD RESOLUTION

Provides readability from the front to the back of the classroom or lecture hall. Also the ability to record classes or lectures, means no one will miss a beat.



### WARRANTY & SUPPORT

Peace of mind with our comprehensive 5 year warranty and support program. Protect your investment with our warranty and support commitment extending beyond the 5 years



### SOFTWARE

Annotation software provides the ability to annotate on photos, videos, webpages or any other screen or input channel. Simply annotate and quickly share documents.



### CAPACITIVE MULTI-TOUCH TECHNOLOGY

Delivering exceptional reliability using direct bonding and advanced capacitive touch technology.

# PRODUCT SPECIFICATIONS

DISPLAY	
LCD Size	64.5"
LCD Brand	BOE
Backlight Type	D-LED
Resolution(pixels)	3840x2160(pixels,RGB)
Brightness	300cd/m <sup>2</sup> (min.), 350cd/m <sup>2</sup> (typ.)
Contrast Ratio	1200:1(typ.)
Response Time	8ms (typ.)
Pixel Pitch(mm)	0.372(H)x0.372(V)
Refreshing Frequency	60Hz
Viewing Angle	178°(H) / 178°(V)
Life Time	30,000 hrs (min.)
Color Gamut(X% NTSC)	72%(typ.)
View Area(mm)	1428.48(H)x803.52(V)
Display Colors	1.07B(8bit+FRC)

INTERFACE	
HDMI IN	X2 Version: HDMI2.0 Up to 3840x2160@60Hz
	X1 HDMI2 support ARC function
DP IN	X1 Version: DP1.2 Up to 3840x2160@60Hz
VGA IN	X1 Interface: DB15 Up to 1920x1080@60HZ
AV IN	X1 Video:1±0.1Vp-p Audio(L/R): 0.2-2Vrms Video System: PAL , NTSC ,SECAM Interface: Φ3.5mm mini interface
YPBPR IN	X1 Y: 1±0.1Vp-p Pb/Pr(Cb/Cr): 0.7±0.1Vp-p Audio(L/R): 0.2-2Vrms 1920x1080@60Hz Interface: Φ3.5mm mini interface
OPS(optional)	X1 Interface: Standard(JAE)
LAN	X2 10M/100M Base-T Interface: RJ45
Android USB	X2 Version: USB2.0 Interface: Type-A
Touch-USB	X1 Version: USB2.0 Interface: Type-B
Type-C	X1 Power output: 15W Up to 3840x2160@60Hz Support DRP mode Interface: Type-C
PC-Audio IN	X1 Input level: 0.2-2Vrms Interface: Φ3.5mm mini interface
RS232 IN	X1 Interface: DB9
HDMI OUT	X1 All signal can be loop-outed
AV OUT	X1 Video: 1±0.1 Vp-p; Audio(L/R): 0.2-2Vrms; Video System: PAL , NTSC ,SECAM Interface: Φ3.5mm mini interface
S/PDIF OUT	X1 Type: Optical(Black)
Audio OUT	X1 Output level: 150±20mVrms (@500mVrms,1KHZ) Interface: Φ3.5mm mini interface

STRUCTURE	
Product Size(W x D x H)	1469.08mmx844.12mmx68.9mm
Package Size(W x D x H)	1660x245x1045mm
Housing Material	Aluminum/Metal plate
Housing Color	Grey/Black
VESA	4-M8 Screw Hole 600mmx400mm

ELECTRICAL	
Chipset	MSD8386
CPU	ARM A73+A53, 1.5GHz, Quad Core
GPU	MaliG51
RAM	3GB DDR
ROM	16GB(32GB Optional)
OS	Android 8.0
Power Requirements	AC 100 V ~ 240 V, 50/60 Hz
Power Consumption Without OPS	220W
Standby Condition	<0.5W
Audio Output Power	15W/4Ω
OPS Power	DC 18V/5A

CAMERA	
Pixel size	4M
FOV	DIAGONAL   76.3°±3%
Array Size	MJPEG : 2560*1440(30fps)

ARRAY MIC	
Array quantity	6-mic
Pick up Area	8m (Angle: 45°~135°)
AEC	support
AGC	support
Speech enhancement	support
Steady-state noise	20dB
suppression capability	
Sensitivity	- 26(dB,dBFS@1kHz 1Pa)
Output signal	USB output

TOUCH	
Sensing Type	Capacitive Touch
Surface Protection	0mm Toughened Glass
Bonding Type	Direct Bonding
Infrared Touch	Points(Finger touch)
Report Rate	120Hz
Finger Separation	≥15mm(Center to Center)
Touch Accuracy	< 1.5mm
Output Mode	HID Standard
Theory Clicks	Unlimited
Tip Size	3mm(Power Passive Pen)
Connect Type	SB2.0 Full Speed
Voltage	DC+5V
Windows 10/8/7,Android	Multiple Touch
Windows XP,Linux,Mac OSX,Chrome	Single Touch