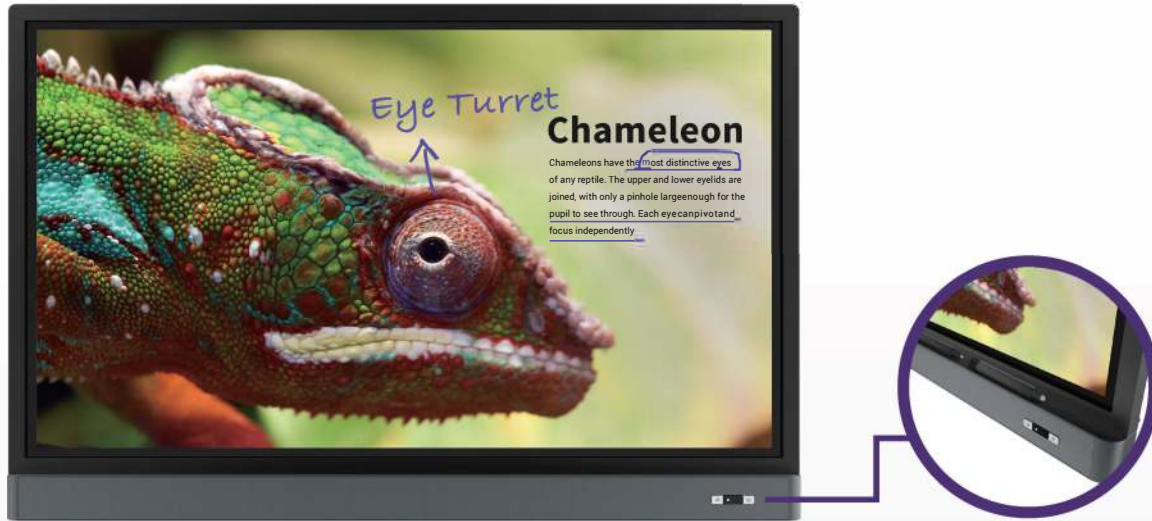# RM5501K 4K UHD 55" | Education Interactive Flat Panel

Features

Ultra-Smooth Handwriting Enhances Collaborative Learning

RM5501K offers precise positioning to guarantee a streamlined and ultra-smooth handwriting experience that can effectively enhance class interaction and student participation.

• Dual Pens for Simultaneous Collaboration with Two Different Colors

RM5501K comes with dual pens that allow two users to write or draw with different colors simultaneously, making it ideal for lively classroom activities. Additionally, teachers can now create a more engaging learning experience by using two pens to write and highlight with two different colors, eliminating the need to change colors in a traditional classroom scenario.

• Flexible Display of Brush Mode for Creative Education

The advanced touchscreen (IR touch) technology equips RM5501K with the capability of naturally displaying different stroke thickness based on different types of tools used to write or draw on the screen, offering educators and students a more natural writing experience. RM5501K is capable of detecting strokes created with fingers, the IFP stylus, watercolor brush or even pencil. This unique feature makes RM5501K ideal for drawing or artistic creation in art classes.

Create a Riskless Visual Experience in Class: Eye-Care Solution

• TÜV-certified Flicker-Free Technology removes LED backlight flickering and brings a zero flickering viewing experience.

• TÜV-certified Low Blue Light Technology minimizes blue light exposure to reduce eye strain and prevent more critical eye conditions such as macular degeneration or disrupted melatonin secretion.

• Anti-Glare Display reduces reflection for more legible text and clearer images.

Foster Active Learning & Collaborative Interaction: EZWrite 4.1 Lite

EZWrite 4.1 Lite, pre-installed exclusively on BenQ's IFPs, is the ultimate annotation app designed to facilitate interactive learning with a tap. It offers multiple features, including MS office compatibility, hand writing recognition, collaboration tools and sharing through e-mails, QR code, print and USB drive.

Facilitate Teaching Flow with Friendly Design

• Freeze and Blank

Blank to darken the screen so students can remain focused on teachers' instructions.

Freeze to pause the screen so teachers can capture certain segments from videos or highlight on the screen (through the remote control or hotkey)

• Floating Tool

EZWrite 4.1's floating toolbar is compatible with any input source and Android applications. The floating on-screen menu lets you immediately access a range of functions, including print screen, screen capture, eraser, pen and whiteboard by placing two fingers on the screen. It helps increase learning efficiency in the classroom.

• Front-facing Speakers and External Microphone Compatibility

RM5501K repositions the 20W audio speakers to the front, offering better sound transmission that elevates the level of audiovisual enjoyment during classes. Additionally, RM5501K comes with a Mic-In port that allows teachers to connect external microphones, further facilitating an impactful and effective learning experience for students.

• InstaQShare Wireless Solution

InstaQShare is the software designed for seamless wireless interaction and collaboration in classrooms. It allows the smooth streaming of a wide range of visual and audio files, as well as Full HD quality videos. Users can also mirror content from mobile devices, and invite up to 16 participants for seamless collaboration.
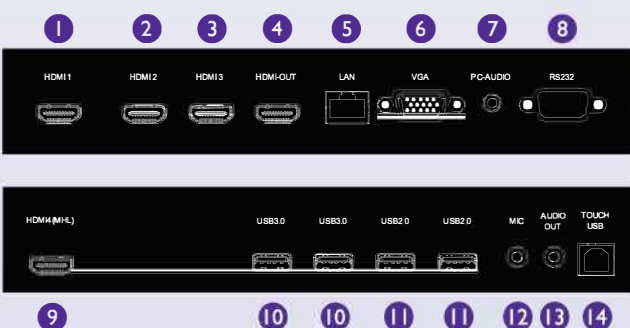
Hassle-Free Maintenance

• MDA Software

Multiple Display Administrator (MDA) creates hassle-free maintenance for IT personnel to remotely control the general display settings of IFPs and schedule their on/off times.

• Over-the-Air Update (OTA)

Upgrade your displays with the latest BenQ firmware via BenQ's OTA update support to keep them running smoothly at all times.

Input and Output Terminals
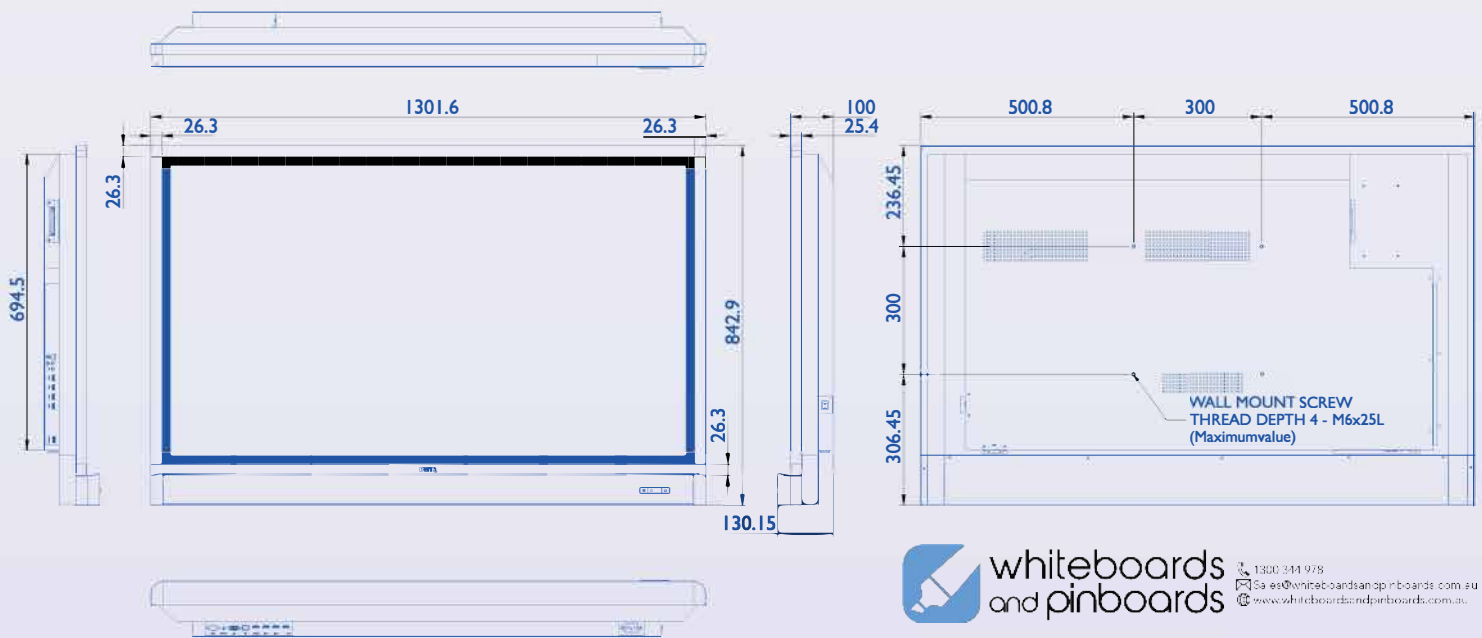

① HDMI Input 1 (2.0)
② HDMI Input 2 (2.0)
③ HDMI Input 3 (2.0)
④ HDMI Output
⑤ LAN
⑥ VGA Input
⑦ Audio Input
⑧ RS232 Input

⑨ HDMI Input 4 (MHL)(2.0)
⑩ USB 3.0
⑪ USB 2.0
⑫ Microphone
⑬ Audio output
⑭ Touch USB port

whiteboards and pinboards

Specifications

		RM5501K
panel	Screen Size	55"
	Backlight / Lightsource	DLED
	Resolution (Pixels)	UHD 3840x2160 pixels
	Brightness (Typical)	350
	Contrast Ratio (Typical)	1,200:1
	Dynamic Contrast Ratio (Typical)	30,000:1
	Viewing Angle (Horizontal/Vertical)	178° /178°
	Response Time (ms)	9ms
	Color Gamut (x% NTSC)	65%
	Panel Bit (8 or 10)	10 bit
	Light Life (Typical)	30,000 hours
	Display Orientation	Landscape
Glass	Tempered Glass	4mm, Tempered Glass
	Anti-Glare (AG) Coating	Yes
Touch	Touch Technology	IR Touch
	Numbers of Touch	Up to 10 Point Multi-touch
	Resolution (Points Area Function)	32,767*32,767
	Touch Interface	x1 (USB type B)
	OS Supported	Windows 7/8/10/WinCE/Vista/Linux /Mac/Android /Chrome
Audio	Internal Speaker	20Wx2
	Line Out (Audio Out, 3.5mm)	x1
	Line In (3.5mm)	x1
	MIC (3.5mm)	x1
Connectivity	**AC Power**	
	Power (AC) Input	x1
	Power Switch	x1
	Basic IO	
	VGA Input	x1
	HDMI Input	x4 (2.0x4)
	HDMI Output	x1
	OPS Slot	x1
	Legacy IO	
	USB Player (Photo, Video)	x4 (2.0x2, 3.0x2)
Control	RS232 Input	x1
	RJ45 Port	x1
	Firmware Update	USB /OTA
power	Voltage	100V-240V, 50/60Hz
	Typical (Watt)	118W
Mechanical	Weight (Without /With Packing) (kg)	44.35kg /53.93kg±1.5Kg
	Dimension (WxHxD) (mm)	1301.6*842.9*130.15mm
	Wall Mounting (VESA) (mm)	4 holes (300 × 300mm) Screw M6 x 25mm
	Pen Tray	x1
OSD	On-Screen Display Languages	English / French / German / Dutch / Polish / Russian / Czech / Danish / Swedish / Italian / Romanian / Finnish / Norwegian / Greek / Hungarian / Spanish / Portuguese / Traditional Chinese / Simplified Chinese / Arabic / Japanese /Thai / Persian /Vietnamese (24L)
Package / Accessory	Remote Controller	x1
	Power Cord (By Region)	x5 (1.8m), x1 (1.5m)
	VGA Cable	x 1 (1.5m)
	HDMI Cable	x 1 (1.5m)
	Quick Start Guide	x1
	User's Manual Electronic File	x1
	USB Cable for Touch	x 1 (3m)
	Touch Pen (Stylus)	x2
	Software License Card	x1
Optional	Wall Mount	Yes
	QCast HDMI Streaming Dongle	Yes
	USB Wifi Dongle	Yes
	Trolley	Yes

Dimensions

1301.6
26.3
26.3
26.3
694.5
842.9
26.3
130.15

100
25.4

500.8
300
500.8
236.45
300
306.45

WALL MOUNT SCREW
THREAD DEPTH 4 - M6x25L
(Maximumvalue)

whiteboards and pinboards