

# TeachmintX

*Google EDLA Certified AI-Powered  
Interactive Classroom Device*



**Certified & Trusted for Education**





# Google-Powered Classroom Experience

Teachmint X2, EDLA-certified, blends advanced hardware with Google services to create an effortless teaching and learning environment.

## About EDLA- Enterprise Device Licensing Agreement

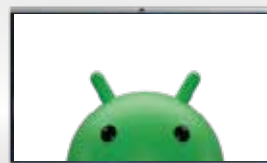
Teachmint X2 runs Google apps and services natively, ensuring smooth integration. This certification provides effortless access to Google tools, enhanced security, and regular updates—creating a safe, reliable, and future-ready classroom environment.



**Full Access to Google Apps, Tools & Services**



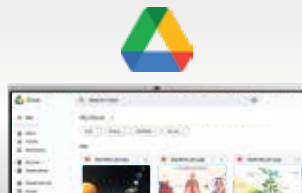
**Built-in Google Play Protect for Always-On Security**



**Powered by Android 14**



**Full Access to Google Play Store**



**Seamless File Access with Google Drive**



**Familiar and Intuitive Interface for Teachers**

## Key Benefits of Enterprise Device Licensing Agreement



Enhanced Security with automatic firmware and app updates including built-in antivirus protection.



Seamless integration with Google tools gives educators direct access to everything needed for classroom teaching—right from the device, with no restrictions.



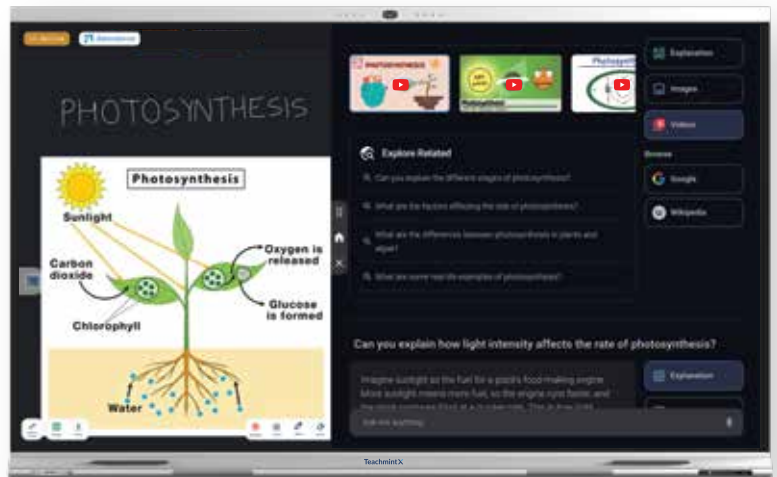
Broad device compatibility with Google Play Store access for downloading preferred learning apps, facilitating effortless collaboration and an integrated classroom experience.



EduAI

# An AI-Powered Intelligent and Safe Teaching Assistant

EduAI automates routine tasks and streamlines lesson planning, allowing educators to focus on impactful teaching.



## Prepare Classroom Sessions with AI

- Auto-create lesson plans tailored to your curriculum
- Instant material uploads for quick and easy setup
- Prepare smarter with less manual effort and more time for teaching

### Fibre to Fabric

80% Completed



### Lesson planning

- Students will be able to define soil and identify its components.

### Quiz



### What are the different types of soil?

- There are six main soil groups: clay, sandy, silty, peaty, chalky and loamy. They each have different properties.

## Make Classrooms Engaging & Interactive

- Auto-generate quizzes & plans
- Safe, age-appropriate & aligned with academic goals
- Bring concepts to life through instant videos and lesson recaps

## Extend Learning Beyond the Classroom

- Create assessments and homework effortlessly in seconds
- Create & share post-class reading materials with students
- Generate summaries that reinforce learning even after class

### Homework

#### Vector & Projectile

Created on 13 Feb 2024, 10:52am

Students  
8/12 Submission

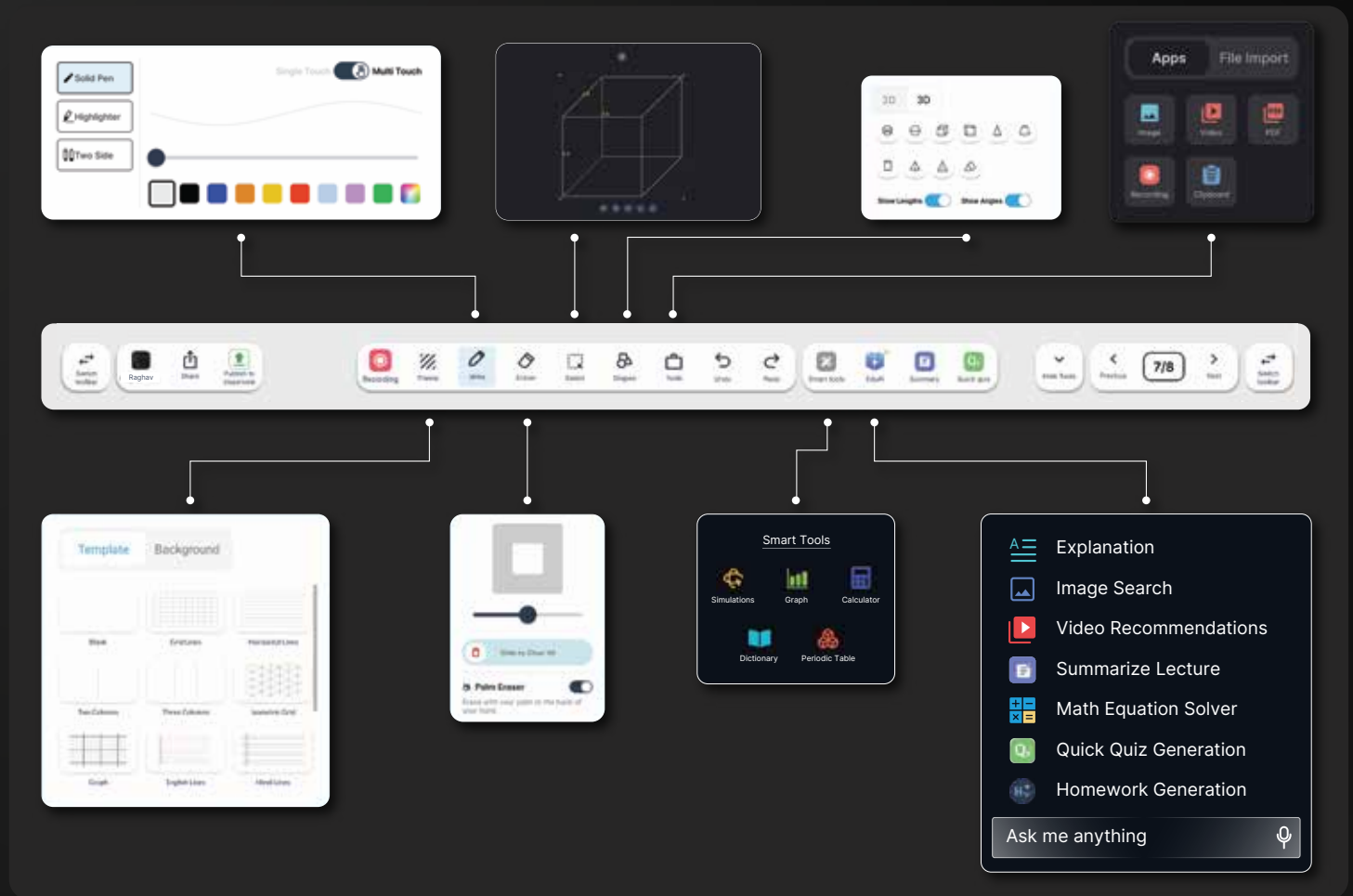
Due Date  
02 Dec 2023



### Post class summaries

Soil is special dirt! Sandy soil is loose and dry. Clay soil is sticky and wet. Loamy soil is the best for plants because it's a mix.

# All-in-One Teaching Whiteboard



## Annotations & Shapes

Write and annotate with adjustable pen features & generate shapes.



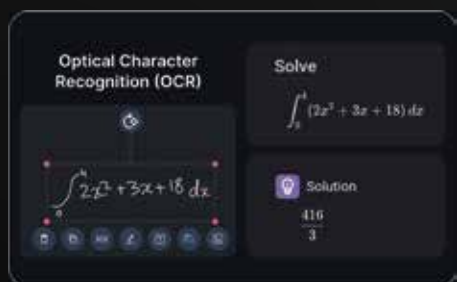
## Voice-to-Text AI

Seamlessly convert speech into text by simply speaking to the board.



## Template and Background

Customizable background themes & colours.



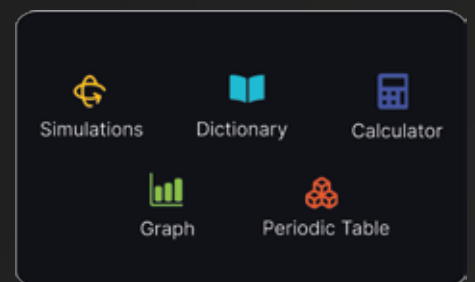
## Math Equation Solver

Write equations on the whiteboard, and EduAI solves them for you.



## Import Files

Import videos, images & PDFs to Whiteboard.



## Smart Tools

Simulations, graphs, calculator, dictionary, and the periodic table - all in one.



# Connected Classroom App



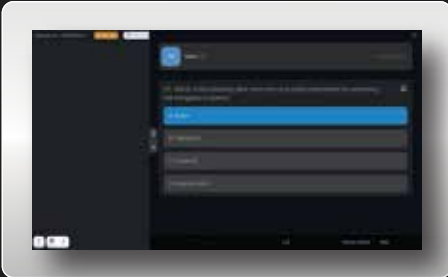
Students can submit homework, complete assignments, and take tests—all from a single platform.



Teachers can mark attendance, use the whiteboard, and share assignments effortlessly.



Institute Admins can track live classes, manage devices, and monitor panel usage in real time for improved oversight.



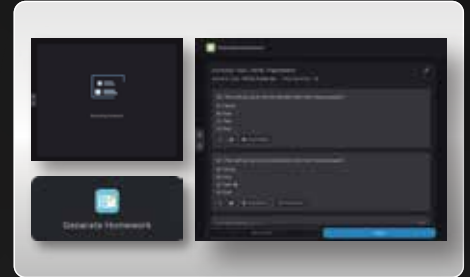
## AI Quick Quiz Creator

Generate quizzes instantly with detailed explanations tailored to your lesson content.



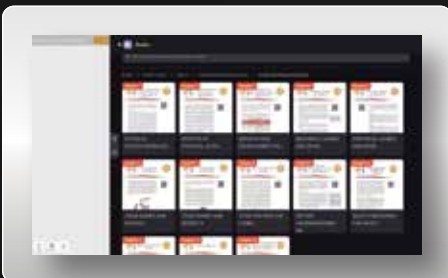
## AI Summariser

Auto-generate concise summaries of lessons, pages, or topics—perfect for quick revision and better retention.



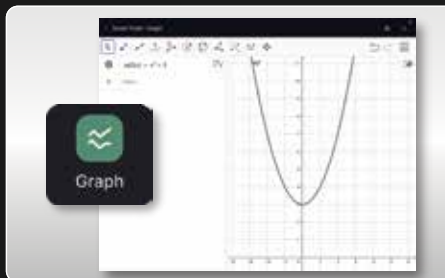
## AI Homework Generator

Automatically generates subject-specific homework—aligned to lessons, ready in seconds.



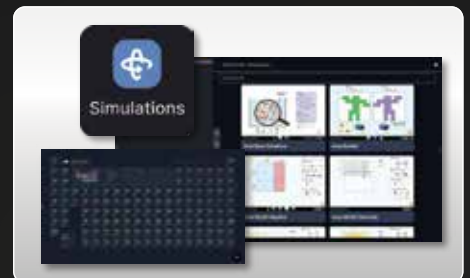
## NCERT-Aligned Content

Ready-to-use teaching materials mapped to the NCERT curriculum across grades and subjects.



## STEM Tools – Graph Visualiser

Brings mathematical functions to life through instant, interactive graph visualisation.



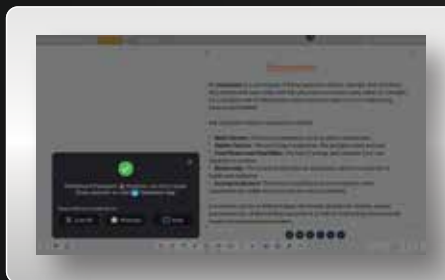
## STEM Tools – Science Simulations

Simulates key science concepts—making Physics and Chemistry lessons more interactive.



## NFC-Based Login for Teachers

Teachers can log in securely and effortlessly with a simple NFC tap.



## Easy Lesson Sharing

Share lessons instantly via QR code, WhatsApp, or email—no extra setup needed.



## Smart Device Connectivity

Effortless pairing with smart devices for seamless classroom interaction and content sharing.

# Powered by Next-Gen Hardware

Powerful Performance, Seamless Interaction, and Future-Ready Technology



## Smooth Writing, Zero Lag & Pure Precision

Our IR touchscreens offer smooth, precise input, making every gesture and stroke feel natural. Write effortlessly, with minimal resistance, maximum accuracy, and no compromise.



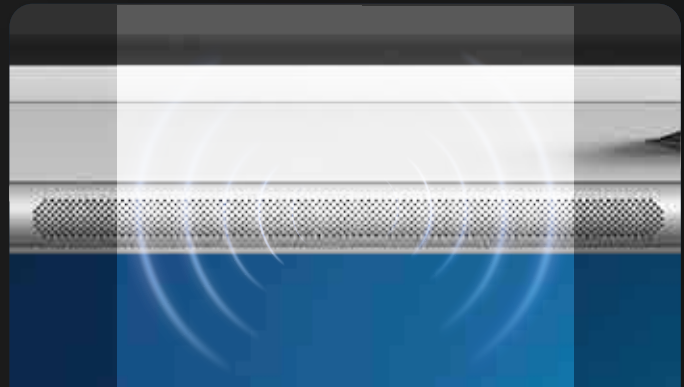
## Octa-Core Processor with NPU for AI Tasks

Powerful octa-core processor with NPU, achieving Geekbench score of 339 (single-core) and 1272 (multi-core), enabling fast multitasking and smooth AI-powered performance.



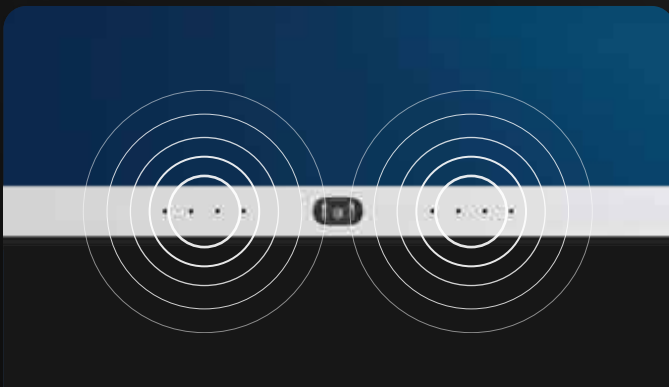
## AI-Powered 48MP 4K Camera

High-resolution AI-powered camera enhances video clarity, supports auto-tracking, and adjusts focus dynamically for a superior teaching experience.



## Front Facing 2x20W Speakers

Powerful dual front-facing speakers deliver rich, immersive sound—ensuring clarity and enhancing classroom engagement.



## In-Built 8 Array Omni Directional Mic

Advanced microphone array captures audio from all directions, ensuring clear voice transmission even in large classrooms or meetings.



## In-Built NFC Card Reader

Seamlessly supports NFC-enabled authentication for quick and secure login, simplifying user access and attendance management.

# Hardware Specification

Model Name	Teachmint X 65/75/86 Pro & Teachmint X 75/86 Plus
Screen Size	1.64m (65") / 1.89m (75") / 2.17m (86")
Operating System	Android 14.0 EDLA
RAM/ ROM	8GB RAM / 128GB ROM
CPU	Octa Core   RK3576 (4* ARM Cortex A72 @ 2.2 GHz + 4* ARM Cortex A53 @ 2 GHz)
GPU	Mali-G52 MC3
Camera	Auto-focus 48 MP 4K UHD Quality Video AI camera with sound localization and intelligent framing (Pro Models Only)
Mic	8-Array Mic (Pro Models Only)
Security	NFC Integration for quick & secure teacher login
Surface Protection	3.2mm Toughened Glass   9H Hardness
Backlight Type	D-LED edge Type
Refreshing Frequency	60Hz
Brightness	450 nits
Contrast Ratio	Typ:1200:1
Response time	≤5 ms
Display Colours	1.07 Billion (10-bit)
Lifespan	50,000 hours
Housing Material & Color	Aluminum Alloy, Silver Grey
Maximum Power Consumption without OPS	340W / 380W / 460W
Audio Output Power	2x20W/6Ω Speakers
Wi-Fi Standard	Dual Band (2.4GHz/5GHz, 802. 11a/b/g/n/ac)
Bluetooth	Bluetooth 5.0
Connectivity Ports	HDMI, USB 3.0, USB 2.0, USB-C, Touch-USB, LAN, Mic In, Audio Out
AI Features	EduAI-Powered Features
NFC Card	Instant and secure teacher login with a simple tap of the NFC card
Accessories	Remote, Touch Pen, 3M Power Cord, 3M USB A-B Cable, 3M HDMI Cable, Additional Power Cord

# TeachmintX

*Celebrating our collaboration with prestigious educational institutions*



Indian Institute of Technology  
Delhi



Indian Institute of Technology  
Madras



Indian Institute of Technology  
Dhanbad



Indian Institute of Technology  
Hyderabad



Sona College of Technology  
Salem



R.V. College of Engineering  
Bengaluru



ATLAS SkillTech University  
Mumbai



Stella Mary's College Of Engineering  
Kanyakumari



King George's Medical University  
Lucknow



St. Joseph's College  
Prayagraj



Loreto Convent  
Darjeeling



Hebron School  
Ooty



Green Valley Educational Institute  
Srinagar



South Point High School  
Kolkata



Sanskriti -The Gurukul  
Guwahati



Maharani Gayatri Devi Girls' School  
Jaipur



Delhi Public School  
Pune



Delhi Public School  
Ahmedabad



Stepping Stones High School  
Aurangabad



Delhi Public School  
Karnal



The Polaris International School  
Hoskote



Career Point  
Solapur



## Pan India delivery & service

Seamless start, complimentary  
expert guidance



## 365-day customer support

Uninterrupted support,  
every single day



## 3 year on-site warranty

Ensuring peace of mind  
with every purchase



Scan for Setup & Support

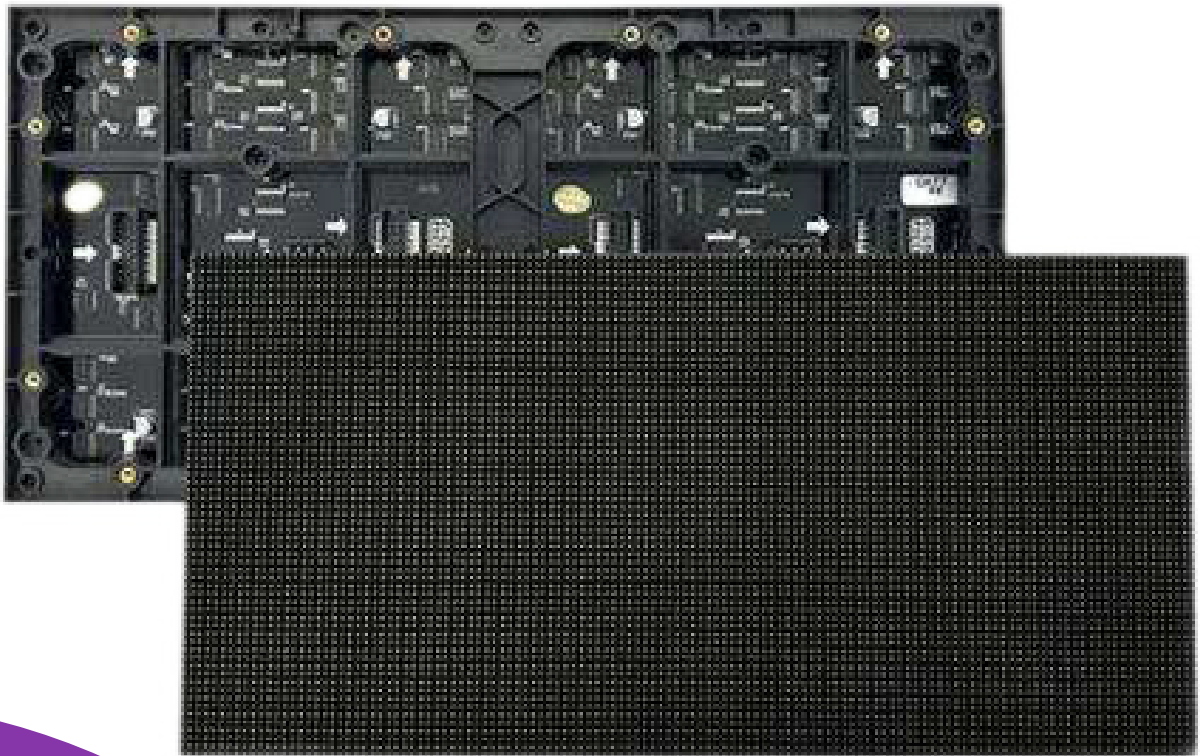


# Categories

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## 01 Fine Pitch LED Series

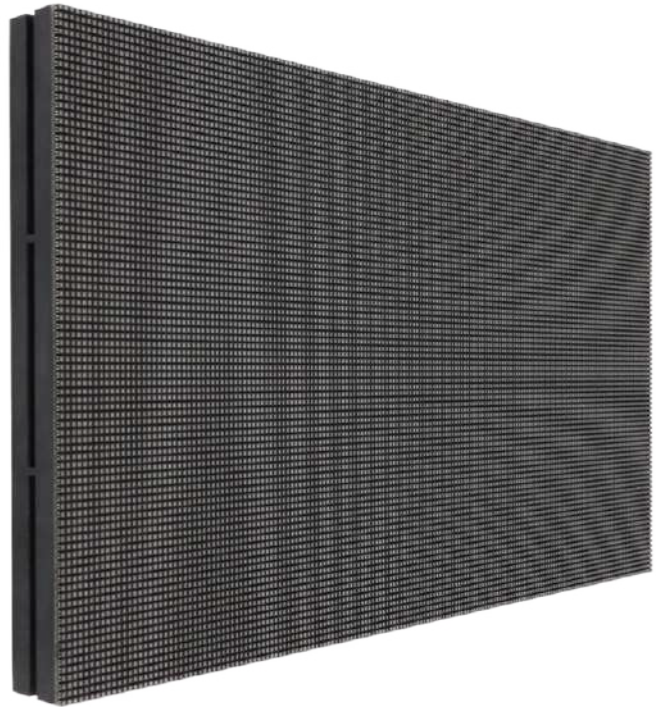
Our SMD technology-based led displays offer a seamless, high-resolution and high-contrast solution for indoor spaces with short viewing distances. The compact and lightweight design of the modules makes installation and maintenance effortless. The displays provide outstanding image and video quality with an optimal viewing distance of over 1.5 meters.



02

## Indoor LED Modules

Our indoor led modules offer unparalleled versatility for creating high-performance video walls that are perfect for any indoor setting. Whether you are looking to enhance the viewing experience in control rooms, hospitality, retail, entertainment, or corporate environments, our led modules can be tailored to your specific needs. Choose from our range of premium options that are designed for critical viewing or cost-effective, high-performance options that will captivate with spectacular visuals



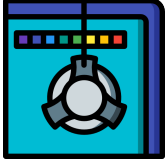
03

## Outdoor LED Modules

Our outdoor video walls are designed for maximum visual impact and are ideal for reaching a mobile audience through targeted messaging at specific times and locations. The led technology used in these video walls provides full-colour, full-motion, and dynamic displays that can reach large audiences more effectively than other types of displays. Built to withstand harsh outdoor conditions, these video walls are durable and long-lasting, making them a reliable solution for any outdoor setting.



# Product Features



## Uniformity calibration technology

Our advanced technology ensures a seamless and consistent display experience with uniform colours and brightness across the entire screen. This guarantees the highest level of picture quality with accuracy and consistency, leaving you with nothing but the best visual experience.



## Image/Video Processing

Our expertise in image and video processing allows us to deliver led displays that offer the ultimate in image quality and assurance. Our extensive experience guarantees that you will be impressed with the visual performance of our products.



## Response Time

Our extensive selection of led displays boasts an impressive response time of 10ms or quicker, guaranteeing a flawless and seamless visual experience for all your needs.



## Minimal Power Consumption

Power efficiency is a crucial consideration for many led applications, particularly those that operate 24/7. Our led video walls are designed with optimized power supplies to minimize energy consumption and reduce costs, while also aligning with our commitment to green energy solutions and protecting the environment.



# Led wall - Indoor & Outdoor



## SPECIFICATION

Indoor LED								Outdoor LED				
Item	P 1.25	P 1.5	P 1.8	P 2	P 2.5	P 3	P 4	P 3	P 4	P 5	P 6	P 10
Module Configuration												
Pixel Configuration	SMD1010	SMD1212	SMD1515	SMD1515	SMD2121	SMD2020	SMD2121	SMD1415	SMD1921	SMD1921	SMD3535/2525	SMD3535
Pitch (mm)	1.25	1.538	1.839	2	2.5	3	4	3	4	5	6	10
Module Resolution (W*H)	256x128	208x104	172x86	160x80	128x64	104x52	80x40	104x52	80x40	64x32	32x32	32x16
Module Size (mm) (W*H*D)	320x160x16	320x160x16	320x160x16	320x160x16	320x160x16	320x160x16	320x160x16	320x120x18	320x160x18	320x160x18	192x192x18	320x160x18
Module Weight(kg)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Pixel Density (Per sqm)	640000	422500	288906	250000	1603840	111111	62500	111111	62500	40000	27777	10000
Brightness (cd/m²)	≥ 1200	≥ 1200	≥ 1200	≥ 1200	≥ 1200	≥ 1200	≥ 1200	≥ 6500	≥ 6500	≥ 6500	≥ 6500	≥ 6500
Drive Type	1/64 Scan	1/52 Scan	1/43 Scan	1/40 Scan	1/32 Scan	1/32 Scan	1/32 Scan	1/16 Scan	1/10 Scan	1/8 Scan	1/8 Scan	1/2 Scan
Color Temperature (k)	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k	3500k~9500k
Viewing Angle (°)	170°	160°	160°	160°	140°	160°	140°	160°	140°	140°	140°	140°
Viewing Distance (mtrs)	1.2	1.5	1.8	2	2.5	3	4	3	4	5	6	10
Optical parameter												
Deviation Of LED Luminance Center (after calibration)	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%	≤ 3%
Brightness Uniformity	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%	≥ 97%
Contrast Ratio	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1	≤ 5000:1
Max Power Consumption (W/m²)	350	350	300	250	250	250	250	600	600	500	500	300
Average Power Consumption (W/m²)	300	300	250	200	200	150	150	400	400	300	200	100
Processing Mode												
Power Supply	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V	DC 5V
Frame Rate (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	60	60	60	60	60
Refresh Rate (Hz)	≥3840	≥3840	≥3840	≥3840	≥3840	≥3840	≥3840	≥3840	≥3840	≥3840	≥3840	≥3840
Lifetime (hrs)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Operational Parameter												
Operation Temperature (°C)	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C	-20°C ~ +60°C
Storage Temperature (°C)	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C	-25°C ~ +75°C
Operation Humidity (RH)	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%	10 ~ 96%
Certification	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO	BIS, CE, RoHS, ISO



# Led Processor

HUIDU



VP210



VP410



HD DUAL Players  
A3/A4/A5/A6 & A7

## Shape Customization

- LED HOARDING DISPLAY
- FIXED WALL DISPLAY
- LED STANDY
- LED INTERACTIVE FLOOR
- LED DISPLAY VEHICLE
- LED CUBES & PILLARS



# FAQ

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## Who will install the Product?

Your product will be installed by the brand's authorised technical partner. Rest assured, the warranty for the product will not be affected when an item is installed by authorised technical partners.

## Will you be charged for Installation?

Installation charges differ from location to location. Certain times, we also provide free installation offers, which will also be mentioned during estimation.

## What if the product arrives at your deployment site with defect?

Please raise a concern to the sales team immediately so that we can look into this and arrange for technical team to replace the defective modules or cabinets through the authorised technical partners and resolve the issue.

## I did not receive a warranty card/I lost my warranty certificate/card?

You can still claim warranty for your product even without a warranty card/certificate. Please use the invoice, which will serve as your warranty, just call our authorised technical partners.



# Professional Display

QHB | QMB | QBB

Unlock new display possibilities for your business





# Easy maintenance and designed with sustainability in mind

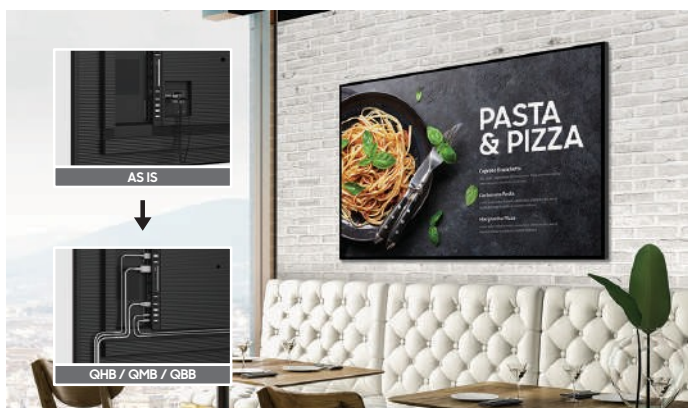
## Streamlined set up and easy maintenance

Install and maintain without frustration. QHB / QMB / QBB Professional Display offers a simple set-up process that allows managers to configure after installation and maintain fixed settings from anywhere in the world. With access to the web-engine upgrades, showcase the latest innovative content exactly as you intend.

### Auto Leveller

### Clean cable management

### Portrait and Landscape Orientation



## Slim and symmetrical design

Narrow bezels and a symmetrical design allow for seamless integration into virtually any environment with simple mounting and installation. To maximise space savings, all terminals face outwards, ensuring the display hangs flush against your wall.\*

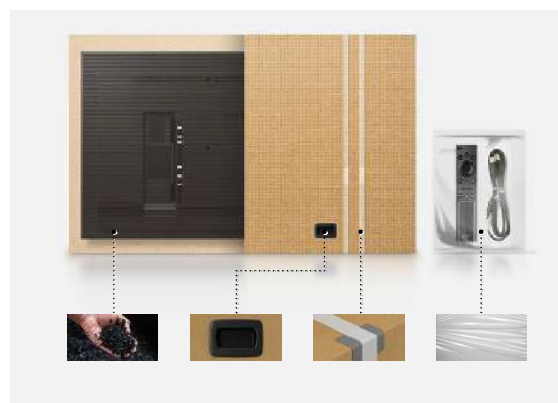
\*Wall gap may vary depending on installation and wall type

## Clean cable guide

QHB / QMB / QBB Professional Displays blend perfectly into virtually any business environment. With clean cable guide feature, the screen draws maximum focus to what is on the display, not the cables connected to it.

## Sustainability

QHB / QMB / QBB Professional Displays use recycled plastics for the rear side cover and packaging. Additionally, Samsung received certifications for energy savings and carbon footprint reduction and complies with restriction guidelines for hazardous substances such as RoHS, REACH and WEEE..



# Multiple ways to connect and collaborate

## Connectivity

Enhance professional environments with expert tools. Built-in professional modes enable more possibilities in specific verticals.



Custom Home



Upgradable Web-engine



DICOM Simulation Mode



### Custom Home

Designed for IT professionals to simplify conference room management, Custom Home allows admins to lock specific meeting room settings, preventing users from changing display settings in between meetings. Now, conference rooms can work throughout the day as intended, with no errors, allowing IT to focus on other

### Upgradable Web-engine

Upload virtually any piece of content, no matter how innovative. QHB / QMB / QBB Professional Display frequent web-engine upgrades enables the latest types of content to be played, allowing for diversified and engaging creative assets.



### Director Mode

Featuring built-in Director Mode, Samsung QHB / QMB / QBB Professional Display allows users to minimise post-processing to bring images close to the director's original intention. From colour representation to picture proportion, directors can express their vision without any distortion.



### DICOM Simulation Mode

Medical teams can collaborate efficiently and effectively thanks to Samsung QHB / QMB / QBB Professional Displays' DICOM Simulation Mode, which meets 100% of grayscale required by DICOM standard. Plus, it helps to simulate medical images such as X-rays\*.

\* Display provides a simulated experience and is not intended for diagnosis purposes.

# Stunning picture quality and design

Make every visual experience impactful. QHB / QMB / QBB Professional Display provides head-turning visuals with true-to-life colours and elevates your content to 4K with AI video processing technology.\* With reliable, anti-glare panels and an unintrusive design, audiences see content clearly, without distraction.

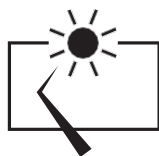
\*Picture quality of upscaled content varies depending on quality of source content.



**Dynamic Crystal Colour**



**Quantum Processor 4K**



**Non-glare**



**Slim and symmetrical design**



**Clean cable guide**

\* QBB Series is not supported for non-glare.

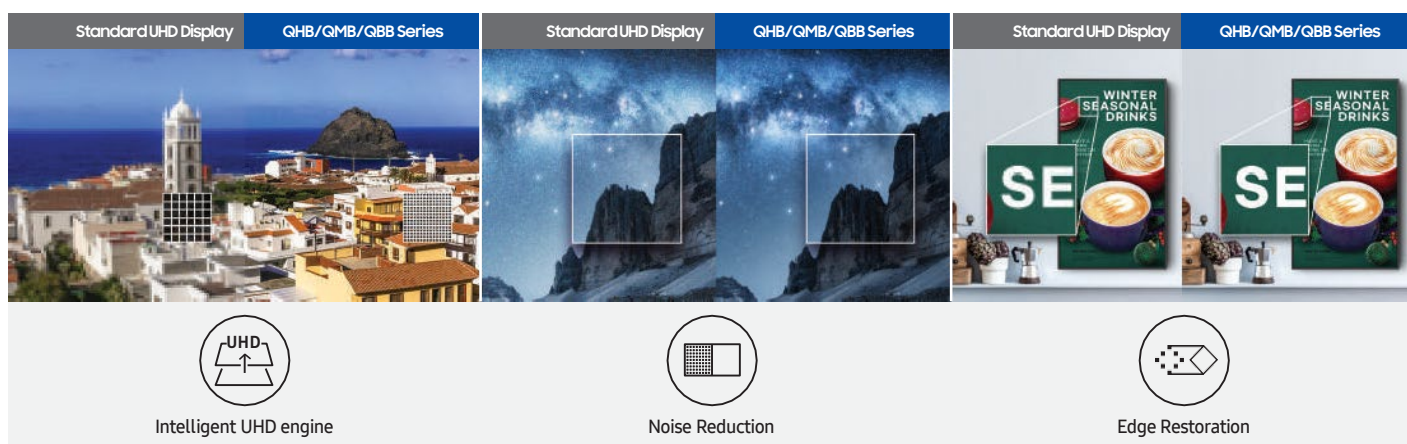


## Dynamic Crystal Colour

Dynamic Crystal Colour captures subtle differences for virtually flawless color expression using 10-bit processing, ensuring content is as lifelike as possible.

## Non-glare

All QHB / QMB Professional Displays feature reliable, anti-glare panels that provide visibility from a range of angles, any time of day. The anti-glare display enables businesses to deliver accurate information in critical locations, such as airports and train stations.



## Quantum Processor 4K

Samsung's video processing technology helps enhance your content for clarity and consistency. Intelligent UHD upscaling technology, powered by Samsung's Quantum processor 4K, elevates lower-resolution video to UHD-level quality, providing professional picture quality.\*

\* When compared to Samsung's FHD model.

\* Viewing experience may vary according to types of content and format. Picture quality of upscaled content may vary depending on quality of source content.



## Business applications





Specifications

Model			QH43B	QH50B	QH55B	QH65B	QH75B
Display Panel	Diagonal Size	Class	43	50	55	65	75
		Measured	42.5" / 1079cm	49.5" / 125.7cm	54.6" / 138.7cm	64.5" / 163.9cm	74.5" / 189.3cm
	Resolution		3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)
	Brightness(Typ.)		700 nit	700 nit	700 nit	700 nit	700 nit
	Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Haze		25%	25%	25%	25%	25%
	Contrast Ratio (Typ.)		4000:1	4000:1	4000:1	4000:1	6000:1
	Type		VA	VA	VA	VA	VA
	Active Display Area		941.184 (H) x 529.416 (V)	1095.84(H) x 616.41(V)	1209.6(H) x 680.4(V)	1428.48 (H) x 803.52 (V)	1650.24 (H) x 928.26 (V)
	Pixel Pitch (mm)		0.2451 x 0.2451	0.285 x 0.285	0.315 x 0.315	0.372 x 0.372	0.42975 x 0.42975
	Color Gamut		92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)
	Operation Hour		24/7	24/7	24/7	24/7	24/7
Connectivity / Sound	INPUT	VIDEO	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)
		AUDIO	N/A	N/A	N/A	N/A	N/A
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
		Tuner	N/A	N/A	N/A	N/A	N/A
	OUTPUT	VIDEO	N/A	N/A	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	N/A	N/A	N/A	N/A	N/A
	WiFi / BT		O / O	O / O	O / O	O / O	O / O
	EXTERNAL CONTROL		RS232C(in/out),RJ45	RS232C(in/out),RJ45	RS232C(in/out),RJ45	RS232C(in/out),RJ45	RS232C(in/out),RJ45
	Speaker		10W 2ch	10W 2ch	10W 2ch	10W 2ch	10W 2ch
Mechanical Spec	Dimension (mm)	Set	967.5 x 557.7 x 48.3	1121.4 x 643.9 x 46.3	1235.1 x 707.9 x 46.3	1453.9 x 831.0 x 46.3	1681.1 x 960.1 x 49.7
		Package	1095 x 676 x 151	1269 x 784 x 152	1402 x 858 x 163	1611 x 973 x 185	1871 x 1127 x 223
	Weight (kg)	Set	10.7	14.5	19.2	26.6	40.3
		Package	14	18.7	24.7	34	51
	VESA Mount		200 X 200	200 X 200	200 X 200	400 X 400	400 X 400
	Bezel Width (mm)		9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	11.5mm(U/L/R), 12.5mm(B)
Features	Internal Player	Operating System	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5
		Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
		Storage (FDM)	16 GB	16 GB	16 GB	16 GB	16 GB
	Special	H/W	Symmetric Design (same with QxR) / Center IR / Temperature Sensor / Auto Level / Wi-Fi(2.4/5.0GHz dual) & BT				
S/W		Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / DirectorMode					
Certification	Safety		60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1
	EMC		Class B	Class B	Class B	Class B	Class B
	Environment		(TBD)	(TBD)	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	(TBD)
	IP Rating		IP5x	IP5x	IP5x	IP5x	IP5x
	Security		802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP				
Power	Power Supply		AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	138	176	160	204	264
		Typical[W/h]	93	106	115	152	195
		Sleep mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
Operating Condition	Temperature		0℃~ 40℃	0℃~ 40℃	0℃~ 40℃	0℃~ 40℃	0℃~ 40℃
	Relative Humidity		10~80%	10~80%	10~80%	10~80%	10~80%
Accessories	Included		Quick Setup Guide / Warranty Card / Power Cord / RS232C(IN) Gender / Remote Controller & Batteries				
	Optional	Stand	STN-L4355G	STN-L4355G	STN-L4355G	No	No
		Mount	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME
		Specialty	CML400XR	CML400XR	CML400XR	CLM450T	CLM450T

Model			QM43B	QM50B	QM55B	QM65B	QM75B
Display Panel	Diagonal Size	Class	43	50	55	65	75
		Measured	42.5" / 1079cm	49.5" / 125.7cm	54.6" / 138.7cm	64.5" / 163.9cm	74.5" / 189.3cm
	Resolution		3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)
	Brightness(Typ.)		500 nit	500 nit	500 nit	500 nit	500 nit
	Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Haze		25%	25%	25%	25%	25%
	Contrast Ratio (Typ.)		4000:1 (* IPS - 1200:1)	4000:1	4000:1	4000:1	4000:1
	Type		VA	VA	VA	VA	VA
	Active Display Area		941.184 (H) x 529.416 (V)	1095.84(H)x 616.41(V)	1209.6(H)x 680.4(V)	1428.48 (H) x 803.52 (V)	1650.24 (H) x 928.26 (V)
	Pixel Pitch (mm)		0.2451 x 0.2451	0.285 x 0.285	0.315 x 0.315	0.372 x 0.372	0.42975 x 0.42975
	Color Gamut		92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)
	Operation Hour		24/7	24/7	24/7	24/7	24/7
Connectivity / Sound	INPUT	VIDEO	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)
		AUDIO	N/A	N/A	N/A	N/A	N/A
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
		Tuner	N/A	N/A	N/A	N/A	N/A
	OUTPUT	VIDEO	N/A	N/A	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	N/A	N/A	N/A	N/A	N/A
	WiFi / BT		O / O	O / O	O / O	O / O	O / O
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45
	Speaker		10W 2ch	10W 2ch	10W 2ch	10W 2ch	10W 2ch
Mechanical Spec	Dimension (mm)	Set	967.5 x 557.7 x 48.3	1121.4 x 643.9 x 46.3	1235.1 x 707.9 x 46.3	1453.9 x 831.0 x 46.3	1681.1 x 960.1 x 49.7
		Package	1095 x 676 x 151	1269 x 784 x 152	1402 x 858 x 163	1611 x 973 x 185	1871 x 1127 x 223
	Weight (kg)	Set	10	13.4	18.1	24.9	38.3
		Package	13.3	17.6	23.6	33.3	49
	VESA Mount		200 X 200	200 X 200	200 X 200	400 X 400	400x400
	Bezel Width (mm)		9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	11.5mm(U/L/R), 12.5mm(B)
Features	Internal Player	Operating System	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5
		Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
		Storage (FDM)	16 GB	16 GB	16 GB	16 GB	16 GB
	Special	H/W	Symmetric Design (same with QxR) / Center IR / Temperature Sensor / Auto Level / Wi-Fi(2.4/5.0GHz dual) & BT				
		S/W	Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode				
Certification	Safety		60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1
	EMC		Class B	Class B	Class B	Class B	Class B
	Environment		ENERGY STAR 8.0, EPEAT	(TBD)	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT
	IP Rating		IP5x	IP5x	IP5x	IP5x	IP5x
	Security		802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP				
Power	Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	110	171	143	182	231
		Typical[W/h]	79	91	108	127	161
		Sleep mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
Operating Condition	Temperature		0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Relative Humidity		10~80%	10~80%	10~80%	10~80%	10~80%
Accessories	Included		Quick Setup Guide / Warranty Card / Power Cord / RS232C(IN) Gender / Remote Controller & Batteries				
	Optional	Stand	STN-L4355G	STN-L4355G	STN-L4355G	No	No
		Mount	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME
		Specialty	CML400XR	CML400XR	CML400XR	CML450T	CML450T

Model			QB43B	QB50B	QB55B	QB65B	QB75B
Display Panel	Diagonal Size	Class	43	50	55	65	75
		Measured	42.5" / 1079cm	49.5" / 125.7cm	54.6" / 138.7cm	64.5" / 163.9cm	74.5" / 189.3cm
	Resolution		3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)
	Brightness(Typ.)		350 nit	350 nit	350 nit	350 nit	350 nit
	Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Haze		2%	3%	2%	2%	5%
	Contrast Ratio (Typ.)		4000:1	4000:1	4000:1	4000:1	4000:1
	Type		VA	VA	VA	VA	VA
	Active Display Area		941.184 (H) x 529.416 (V)	1095.84(H) x 616.41(V)	1209.6(H) x 680.4(V)	1428.48 (H) x 803.52 (V)	1650.24 (H) x 928.26 (V)
	Pixel Pitch (mm)		0.2451 x 0.2451	0.285 x 0.285	0.315 x 0.315	0.372 x 0.372	0.42975 x 0.42975
	Color Gamut		92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)
	Operation Hour		16/7	16/7	16/7	16/7	16/7
Connectivity / Sound	INPUT	VIDEO	HDMI 2.0 (3)	HDMI 2.0 (3)	HDMI 2.0 (3)	HDMI 2.0 (3)	HDMI 2.0 (3)
		AUDIO	N/A	N/A	N/A	N/A	N/A
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
		Tuner	N/A	N/A	N/A	N/A	N/A
	OUTPUT	VIDEO	N/A	N/A	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	N/A	N/A	N/A	N/A	N/A
	WiFi / BT		O / O	O / O	O / O	O / O	O / O
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45
	Speaker		10W 2ch	10W 2ch	10W 2ch	10W 2ch	10W 2ch
Mechanical Spec	Dimension (mm)	Set	967.5 x 557.7 x 48.3	1121.4 x 643.9 x 46.3	1235.1 x 707.9 x 46.3	1453.9 x 831.0 x 46.3	1681.1 x 960.1 x 49.7
		Package	1095 x 676 x 151	1269 x 784 x 152	1402 x 858 x 163	1611 x 973 x 185	1871 x 1127 x 223
	Weight (kg)	Set	10	13.4	18.1	24.9	38.3
		Package	13.3	17.6	23.6	33.3	49
	VESA Mount		200 X 200	200 X 200	200 X 200	400 X 400	400x400
	Bezel Width (mm)		9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	11.5mm(U/L/R), 12.5mm(B)
Features	Internal Player	Operating System	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5
		Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
		Storage (FDM)	8GB	8GB	8GB	8GB	8GB
	Special	H/W	Symmetric Design (same with QxR) / Center IR / Temperature Sensor / Auto Level / Wi-Fi(2.4/5.0GHz dual) & BT				
S/W		Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / DirectorMode					
Certification	Safety		60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1
	EMC		Class B	Class B	Class B	Class B	Class B
	Environment		(TBD)	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	(TBD)
	IP Rating		IP5x	IP5x	IP5x	IP5x	IP5x
	Security		802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP				
Power	Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	110	143	143	182	231
		Typical[W/h]	79	91	96	124	174
		Sleep mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
Operating Condition	Temperature		0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Relative Humidity		10~80%	10~80%	10~80%	10~80%	10~80%
Accessories	Included		Quick Setup Guide / Warranty Card / Power Cord / RS232C(IN) Gender / Remote Controller & Batteries				
	Optional	Stand	Yes	Yes	Yes	Yes	Yes
		Mount	Yes	Yes	Yes	Yes	Yes
		Specialty	Yes	Yes	Yes	Yes	Yes

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