QBC Professional Display

LH43QBCEBGCXXY (43")
LH50QBCEBGCXXY (50")
LH55QBCEBGCXXY (55")
LH65QBCEBGCXXY (65")
LH75QBCEBGCXXY (75")
LH85QBCEBGCXXY (85")

Top line key features / benefits

1. Stunning performance for businesses
2. Ultra slim depth to maximise space
3. Even Bezel delivers clean visuals
4. Centred VESA holes for secure mounting[3]
5. Dynamic Crystal Colour delivers lifelike colour expression
6. Lifelike shades of colour in powerful 4K UHD[4]

7. Intuitive Home UI for convenient connectivity
8. Easy screen calibration with Smart Calibration[5]
9. Built-in Professional Modes for specific verticals
10. MagicINFO S10[7] helps deliver smooth playback
11. Environmental certifications[8] support everyday sustainability

Key features & message hierarchy

Slim design. Stunning performance.

Introducing QBC, the slimmest display in Samsung's Professional Display range. It brings elegance to business while maximising space. With built-in solutions and intuitive home screen UX, the QBC is easy to use and helps enable businesses in various verticals to achieve growth with its efficiency and design innovation.

Maximum impact in minimum space
Ultra Slim Depth

The QBC's ultra-slim thickness of 28.5mm makes it the thinnest option in Samsung's UHD 4K series. Its sleek design and Slim Fit Wall Mount[1], helps you optimise space and install it neatly in a wide range of business environments.

DISCLAIMERS
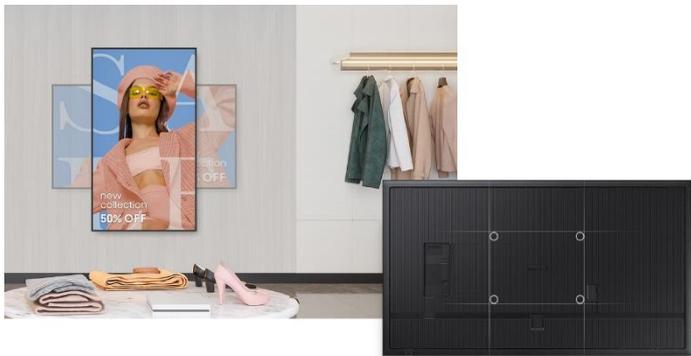1. Slim Fit Wall Mount must be purchased separately.

Additional features & message hierarchy

Clean visuals in landscape or portrait mode
Even Bezel

The QBC's bezels are consistent and even on all four sides of the display, with the same thickness and dimensions. The new even bezel design[2] helps prevent visual issues from arising when the display is adjusted to portrait mode.

Secure and even mounting
Centred VESA Holes[3]

The central positioning of the VESA holes on the back of the display helps evenly distribute its weight for secure mounting. With the VESA holes positioned in the centre, this helps prevent the display from tilting unintentionally when adjusted into portrait mode.

Lifelike colour expression
Dynamic Crystal Colour

The QBC series features Dynamic Crystal Display, using 10 bit processing for vivid colour expression, allowing viewers to enjoy a wide spectrum of colours.

DISCLAIMERS
o   Images simulated for illustrative purposes only.
2.   When compared to Samsung's previous UHD signage models.
3.   The position of the VESA holes may vary slightly by model.

Additional features & message hierarchy

View lifelike shades of colour in powerful 4K
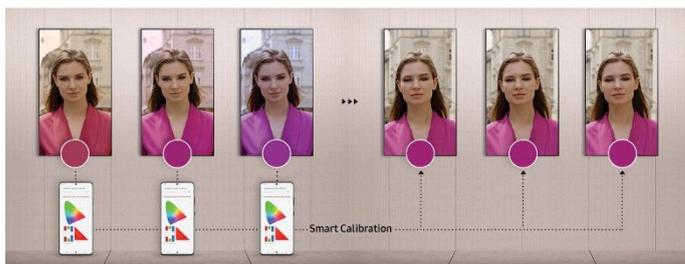**Quantum Processor Lite 4K[4]**

Intelligent UHD upscaling technology, made possible by Samsung's Quantum Processor Lite 4K, enables content developed at a lower resolution to be elevated to UHD-level quality. It also performs edge restoration and noise reduction to help optimise on-screen text and imagery.

Connect with convenience
Home User Interface (UI)

The QBC series' home screen UI displays popular categories like Favourites, Sources and Settings on the same screen for convenience. The Favourites folder grants users quick, easy access to frequently used features.

Streamlined calibration between screens with mobile app
Smart Calibration[5]

Maintain brand consistency across every display in every location. Using the Samsung mobile app, Smart Calibration helps ensure every display is calibrated correctly, showcasing brand logos and other collateral in the exact colours required.

Additional features & message hierarchy

Director Mode

DICOM Simulation Mode

Enhance professional environments with expert tools
Professional Modes

Built-in professional modes enable more possibilities in specific verticals. Director Mode minimises post-processing enhancements, helping to align content to the director's original intention. Medical teams can simulate medical images such as X-rays with DICOM Simulation Mode[6], meeting DICOM's full greyscale standards.

Powered by TIZEN

MagicINFO

Embedded media player

Remote management

Smooth and virtually seamless content playback
MagicINFO S10 Player[7]

The embedded MagicINFO™ S10 player, backed by the powerful Tizen operating system, helps boost the overall performance of the display and offers painless management. This helps ensure seamless transitions and playback to deliver a better experience for both customers and store managers.

Everyday Sustainability
Energy Star and EPEAT Certification

Samsung is making diverse efforts to reduce our environmental impact in smart display, and encouraging users to pursue a more sustainable life. The QBC series has earned certifications for environmentally preferable products from highly recognised institutes in the U.S[8].

DISCLAIMERS
o   Images simulated for illustrative purposes only.
6.   DICOM: Digital Imaging and Communications in Medicine. Display provides a simulated experience and is not intended for diagnosis purposes.
7.   MagicINFO licence sold separately.
8.   QBC series has earned an ENERGY STAR 8.0 certification from the Environmental Protection Agency for its energy efficiency and an Electronic Product Environmental Assessment Tool (EPEAT) certification in recognition of its eco-conscious efforts, such as its recycled plastic use.

SPECIFICATIONS*

Model Name	QB43C	QB50C	QB55C	QB65C	QB75C	QB85C
Model Code	LH43QBCEBGCXXY	LH50QBCEBGCXXY	LH55QBCEBGCXXY	LH65QBCEBGCXXY	LH75QBCEBGCXXY	LH85QBCEBGCXXY

Panel

	QB43C	QB50C	QB55C	QB65C	QB75C	QB85C
Diagonal Size (Class/Measured)	43"/ 42.5"	50" / 48.5"	55" / 54.6"	65" / 64.5"	75" / 74.5"	85" / 84.5"
Panel Type	VA	VA	VA	VA	VA	VA
Resolution	3840x2160 (16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)
Haze	2%	2%	2%	2%	2%	2%
Brightness (Typ.)	350nit	350nit	350nit	350nit	350nit	350nit
Orientation	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait
Contrast Ratio (Typ.)	4000:1	4000:1	4000:1	4000:1	4000:1	4000:1
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)	1872.0 (H) x 1053.01(V)
Pixel Pitch (mm)	0.245x 0.245	0.285 x 0.285	0.315 x 0.315	0.372 x 0.372	0.429 x 0.429	0.487 x 0.487
Colour Gamut	72% (NTSC)%	72% (NTSC)%	72% (NTSC)%	72% (NTSC)%	72% (NTSC)%	72% (NTSC)%
Operation Time Support	16/7	16/7	16/7	16/7	16/7	16/7

Connectivity

INPUT	HDMI 2.0 (3), USB 2.0 (2)
OUTPUT	Stereo Mini Jack
External Control	RS232C (in/out), RJ45 (in)
Speaker	10W 2ch

Power

Power Supply		AC 100 - 240 V, 50/60 Hz

Power Consumption		QB43C	QB50C	QB55C	QB65C	QB75C	QB85C
	Max (W/h)	121	132	154	187	214.5	231
	Typical (W/h)	74	82	84	104	129	159
	Sleep Mode	Less than 0.5W					

Mechanical Spec

		QB43C	QB50C	QB55C	QB65C	QB75C	QB85C
Dimension (W)(H)(D)(mm)	Set	969.5 x 557.8 x 28.5	1124.1 x 644.8 x 28.5	1237.9 x 708.8 x 28.5	1456.8 x 831.9 x 28.5	1682.3 x 960.4 x 28.5	1904.3 x 1085.3 x 28.5
	Package	1093 x 667 x 126	1246 x 761 x 131	1403 x 835 x 148	1616 x 945 x 164	1839 x 1113 x 180	2077 x 1222 x 210
Weight (kg)	Set	8.8	11.8	15.7	21.5	33.4	41.9
	Package	11.3	14.9	19.9	28.6	44.1	53.9
VESA Mount (mm)		200 x 200	200 x 200	200 x 200	400 x 300	400 x 400	600 x 400
Bezel Width (mm)		11.5 (even)	11.5 (even)	11.5 (even)	11.5 (even)	13.4 (even)	13.9 (even)

Features

Internal Player	Operating System	Tizen 7.0
	Processor	CA53 1.3GHz Quad-Core
	Storage (FDM)	8GB (3GB available)
Key		UHD Signage with Built-in MagicINFO S10, SSSP 10.0
H/W		2nd Gen. B2B Design / Centre IR / Temperature Sensor / Ambient Sensor / Auto Level / Wi-Fi (2.4/5.0GHz dual) and Bluetooth
S/W		Signage New Home / Workspace (Microsoft 365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / DICOM Simulation Mode / Director Mode / Upgradable Web-Engine / Tizen Enterprise Platform / Video Conference Solution / Smart Calibration (Basic)

Certification

Safety	60950-1 / 62368-1
EMC	Class B
Environment	ENERGY STAR 8.0, EPEAT
IP Rating	IP5x
Security	802.1x (WPA2 Enterprise): EAP-TLS, EAP-TTLS, EAP-PEAP

Operating Condition

Temperature	0°C~ 40°C
Relative Humidity	10- 80%, non-condensing %

Included

Quick Setup Guide / Warranty Card / Power Cord / RS232C (IN) Gender / Remote Controller and Batteries

Optional Accessories

	QB43C	QB50C	QB55C	QB65C	QB75C	QB85C
Stand	STN-L4355C	STN-L4355C	STN-L4355C	STN-L6585C	STN-L6585C	STN-L6585C
Mount	WMN-B50SC	WMN-B50SC	WMN-B50SC	WMN-B50SC	WMN-B50SC	N/A

DISCLAIMERS
*Specifications may be subject to change without prior notice.