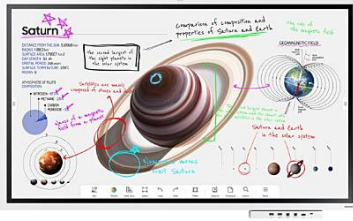# Samsung WM55B(LH55WMBWBGCXEN)
FLIP PRO 55"SCREEN

As digitalization of education accelerates to enable impactful,interactive collaboration,Flip Pro gives educators the tools needed to deliver an advanced level of learning. With versatile connectivity,intelligent software and intuitive features,Flip Pro introduces the future of education.

Flip Pro 55"offers increased working space in front of the display and convenient ways to position and store. Its enhanced,hinge assembly structure enables easy setup and efficient stocking.

Key Selling Points

Better interaction with best in-class multi-touch - fast and multi-touch
Bring ideas to life in an instant - intuitive writing and drawing
Stay connected from any source - versatile connectivity
One single port for three functions - 3-in-1 USB-C port
Share with AirPlay 2 - AirPlay 2
Smart,wireless sharing from multiple devices - SmartView+
Access whatever you need,from anywhere - workspace
Optimize lesson planning with embedded learning solution - Boxlight MimioConnect
Collaborate with ease over video conferencing - Video call applications
Keep informed with remote management solution - remote content push
Carefully designed for various use - slim stand
Clean screen and minimized damage risk - protective screen technology

Product Features

Better interaction with best in-class multi-touch - fast and multi-touch

Flip Pro delivers industry-best latency at just 26 ms,with prediction logic applied to ensure a realistic,smooth drawing experience with 2,048 points of thickness built directly into the display to unlock creativity. Plus,Flip Pro enables multi-touch for up to 20 people for enhanced interactivity.

Bring ideas to life in an instant - intuitive writing and drawing

Ideas are brought to life instantly on Flip Pro with pen and brush mode that provides a real-world writing experience,while flexible erasing requires just a swipe of your finger or palm. The quick tool and palette menu ensure creativity flows and toggle button easily enables a new note layer UI.

Stay connected from any source - versatile connectivity

Flip Pro provides multiple connectivity options,including USB,HDMI and DP. Educators can easily connect any device to access content and display information on a larger screen,as well as connect to any network and other devices through LAN port and wireless screen-mirroring.

One single port for three functions - 3-in-1 USB-C port

Connectivity is enhanced with 3-in-1 USB-C connectivity,enabling screen mirroring,touch control and external device charging (maximum 15 W). Educators can simply connect to the USB Type-C port,allowing them to deliver interactive and engaging lessons without any hassle.

Share with AirPlay 2 - AirPlay 2

Flip Pro is integrated with AirPlay 2,allowing educators and students to present on the big screen,increasing visibility and engagement in larger spaces. Creating a wireless dual display setup ensures no student misses out on important information for more collaborative interactions.

Smart,wireless sharing from multiple devices - SmartView+

With SmartView+,up to 50 devices can be simultaneously connected to the interactive display wirelessly,in addition to enabling multi-view on up to four screens. This cable-less screen sharing functionality is ideal for larger meeting rooms as well as digitized classrooms.

Access whatever you need,from anywhere - workspace

With Workspace secured by Knox,Flip Pro enables users to easily access remote PC,network drive and other third-party applications such as Office 365,VMWare,Boxlight MimioConnect. This ensures efficiency from any location and an uninterrupted workflow for educators and students.

Optimize lesson planning with embedded learning solution - Boxlight MimioConnect

Flip Pro offers the MimioConnect app,an online blended learning platform,providing an extensive catalog of versatile learning content available via Workspace. Samsung's partnership with leading US education solutions delivers innovative education software directly.

Collaborate with ease over video conferencing - Video call applications

Simple,seamless video conferencing is supported on Flip Pro based on the WebRTC (Real Time Communication) API,without the need for additional solution compatibility. Apps such as Google Duo will be available to users with just a touch for easy,efficient collaboration.

Keep informed with remote management solution - remote content push

Using Samsung's MagicINFO Remote Management solution,Flip Pro offers functionality that pushes content,alerts and warnings from the school information system to the display. This notifies teachers and students of important updates by pushing them directly to Flip displays in every classroom.

Carefully designed for various use - slim stand

Flip Pro 55"offers increased working space in front of the display and convenient ways to position and store. Its enhanced,hinge assembly structure enables easy setup and efficient stocking.

Clean screen and minimized damage risk - protective screen technology

Samsung Flip Pro delivers peace of mind with a built-in Antimicrobial Coating which inhibits microbial growth. Plus,the Flip's display is wrapped in a proprietary shatterproof film,ensuring the screen stays intact in the event of a break.

Main Specifications

Product Description	Samsung Flip Pro WM55B WMB Series - 55"LED-backlit LCD display - 4K - for education / business
Product Type	LED-backlit LCD flat panel display with touchscreen (multi touch)
Diagonal Class	55"
Commercial Use	Yes - education / business
Colour	White grey
Platform	Tizen OS 6.5
Resolution	3840 x 2160
Display Format	4K UHD (2160p)
Video Interface	HDMI
HDMI Ports Qty	2 ports
Connectivity	Wi-Fi,LAN,Bluetooth
PC Interface	DisplayPort,USB-C
Technology	VA
LCD Backlight Technology	LED backlight - Edge LED
Image Aspect Ratio	16:9
TV Tuner	No tuner
Internet Streaming Services	Google Duo
Commercial Features	MagicINFO Remote Managemen,Boxlight MimioConnect
Picture Enhancements	72% Colour Gamut
Speaker System	2 channel
Storage Capacity	32 GB
USB	4 ports
Voltage	AC 100-240 V (50/60 Hz)
Power Consumption Operational	154 Watt
Dimensions (WxDxH) - without stand	129.74 cm x 5.99 cm x 76.82 cm
Weight	28.6 kg

Extended Specification

General

Product Type	LED-backlit LCD flat panel display
Power Consumption Operational	154 Watt
Diagonal Class	55"
Commercial Use	Yes - education / business
Combined With	Touchscreen (multi touch)
Series	WMB Series
Platform	Tizen OS 6.5
TV Tuner	No tuner

TV Tuner Presence	No
Video Interface	HDMI
HDMI Ports Qty	2 ports
PC Interface	DisplayPort,USB-C
Picture Enhancements	72% Colour Gamut
Protection	Shatter-resistant
Dimensions	Without stand
Width	129.74 cm
Depth	5.99 cm
Height	76.82 cm
Weight	28.6 kg
Enclosure Colour	White grey

Display

LCD Display Technology	VA
Pixel Pitch	0.315 mm
Resolution	3840 x 2160
Display Format	4K UHD (2160p)
Image Aspect Ratio	16:9
LCD Backlight Technology	LED backlight - Edge LED
Coating	2% Glass Haze,antimicrobial coating
Image Contrast Ratio	4000:1
Brightness	350 cd/m²
Viewing Angle	178 degrees
Viewing Angle (Vertical)	178 degrees
Touchpoints Qty	20
Response Time	8 ms
Commercial Features	MagicINFO Remote Managemen,Boxlight MimioConnect
Operation Hours / Days	16 / 7
Features	MagicInfo,infrared multitouch technology,OPS Slot,Apple AirPlay 2 support,2048 sensing level,Samsung Workspace secured by Knox,Microsoft 365 Cloud

Stands &Mounts

Flat Panel Mount Interface	400 x 400 mm
VESA Compatibility	Yes

Media Player

USB Port	Yes
USB Ports Qty	4
Configuration	ARM Cortex-A72 Quad-Core (1.7 GHz) - 3.5 GB - 32 GB
Operating System	Tizen OS 6.5

Audio System

Speaker System	2 channel
Output Power / Total	20 Watt

Speakers	2 x speaker - 10 Watt

Network &Internet Multimedia

Connectivity	Wi-Fi,LAN,Bluetooth
Wi-Fi Protocol	802.11ac
Bluetooth Version	Bluetooth 5.2
Connect &Share	Screen Mirroring,Bluetooth Human Interface Device (HID),Samsung Smart View+
Internet Streaming Services	Google Duo

Connections

Connector Type	2 x HDMI input DisplayPort 2 x USB - front USB - rear USB - front Audio output RS-232 input LAN

Miscellaneous

Compliant Standards	C-Tick,BSMI,GOST,SASO,IEC 60950,UL 60950,CB,AS/NZS 60950-1,CCC,EMC,PSB,IRAM,UL 60950-1,IEC 60950-1,EN 60950-1,BSMI CNS 13438,NOM-019-SCFI-1998,K60950-1,EAC,RCM,BSMI CNS 14336-1,IS13252,GB 17625.1-2012,NOM-001-SCFI-1993,BIS,INMETRO,GB4943.1-2001,EN 55024:2010,GB 4943.1-2011,KN32,KN35,EN 55032:2012,KCC/EK,HDCP 2.2,EN 55032:2015,BSMI CNS 15663,VCCI-CISPR 32:2016,AS/NZS CISPR 32:2015,RoHS CNS 15663,EN 55035:2017,GB/T9254-2008,CNS 13438 ITE EMI,ROCT CISPR 24-2013,ROCT CISPR 22:2005,CNS 14336-1 ITE,UL 2282

Power

Power Device	Power supply
Input Voltage	AC 100-240 V (50/60 Hz)
Power Consumption Sleep	0.5 Watt

Dimensions &Weight (Shipping)

Width (Shipping)	146.4 cm
Depth (Shipping)	19 cm
Height (Shipping)	91.5 cm
Weight (Shipping)	35.9 kg

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 80% (non-condensing)