

Samsung Flip Pro

WMB Series

Unlimited learning possibilities.



Take every learning experience to the next level

What is Flip Pro?

Introducing Samsung Flip Pro, the premium interactive display that takes learning experiences to the next level. With intuitive writing, comprehensive connectivity, smart solutions and brilliant hardware, Flip Pro provides both educators and students with boundless resources and great flexibility to create engaging learning. Experience unlimited learning possibilities with Samsung Flip Pro.

Technology highlights





Touch & Writing

Fast & multi-touch

- Intuitive writing & drawing
-



Connectivity

3-in-1 USB-C port

- AirPlay 2 SmartView+
- OPS mount*
-
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Solution

Workspace Boxlight

- MimioConnect Video
- call application
- Remote content push
-



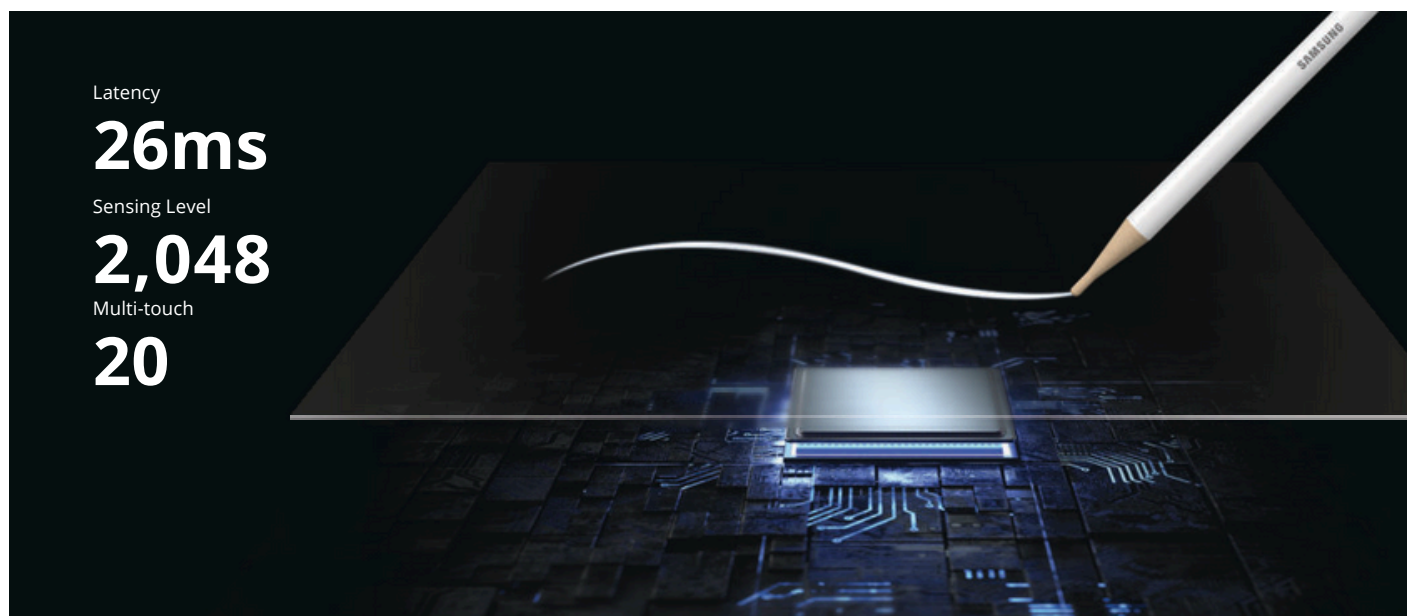
Hardware

4Ch. 40W speaker*

- Ambient light sensor*
- Front panel*
- Rear handle*
- Antimicrobial Coating
- Shatterproof film
-

* Each feature may vary by model.

Touch & Writing

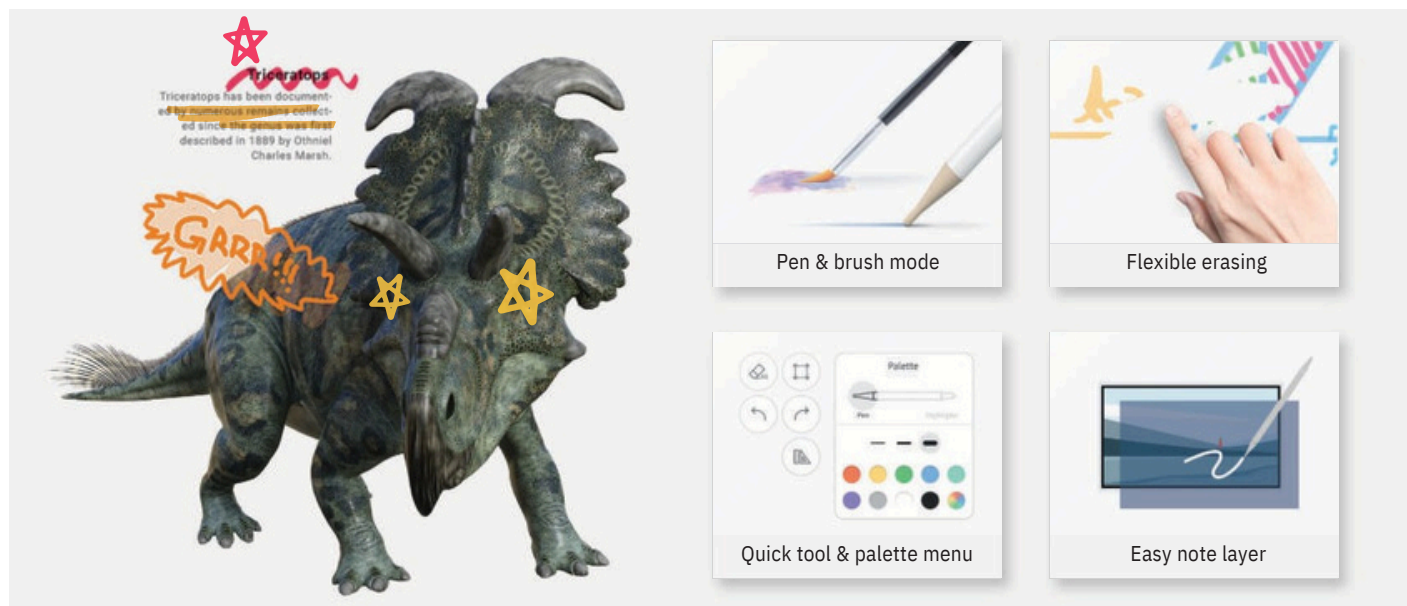


Fast & multi-touch

Better interaction with best-in-class multi-touch

Samsung Flip Pro creates a realistic, smooth writing and drawing experience with touch technology with 26ms* latency and 2,048 points of thickness built directly into the display. Industry-best touch latency was achieved by Samsung's proprietary prediction logic which analyzes user's writing patterns. Plus, Flip Pro enables multi-touch for up to 20 people for enhanced interactivity.

* When using single touch.



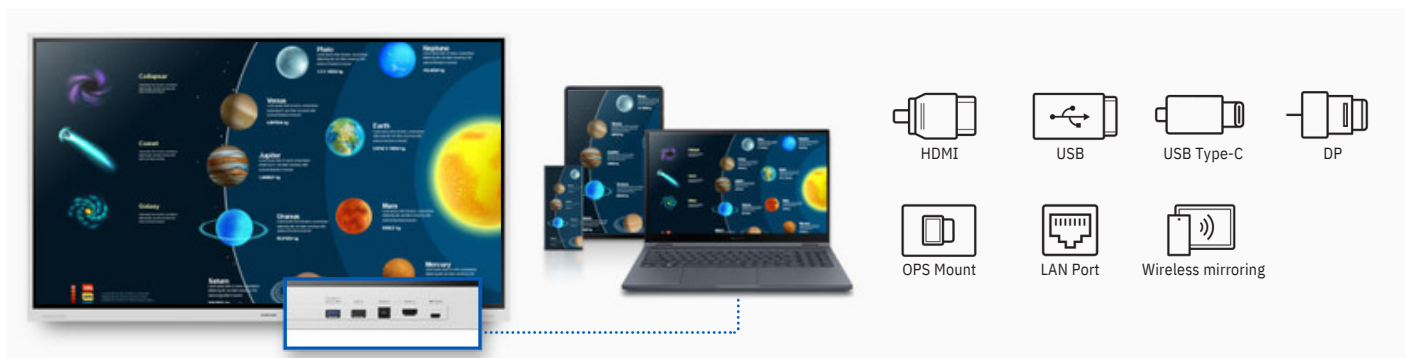
Intuitive writing & drawing

Bring ideas to life in an instant

Ideas are brought to life instantly on Flip Pro with an intuitive user interface. Samsung Flip's unique pen and brush mode provides a real-world writing experience with various options, 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.

* All images are simulated for illustrative purposes.

Connectivity

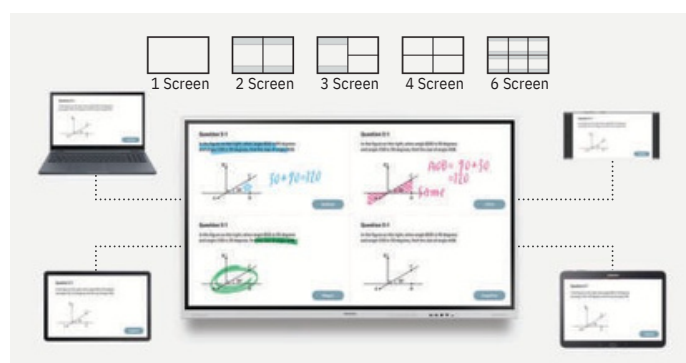
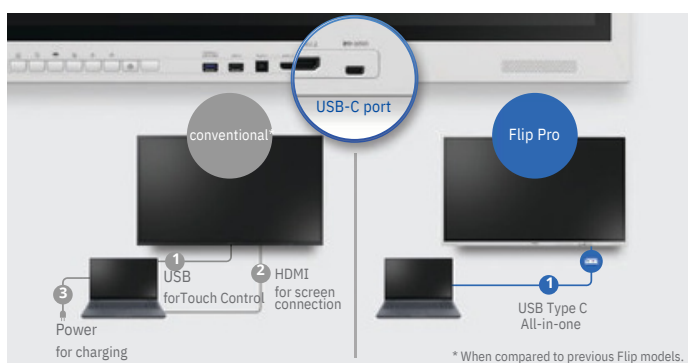


Versatile connectivity

Stay connected from any source

Flip Pro provides multiple connectivity options, including USB, HDMI, DP and OPS mount*. 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.

*OPS mount is currently only available on WM75B and WM85B. Type-C port is only available on Tray. Accessory Tray must be purchased separately at WMB55/65.



3-in-1 USB-C port

One single port for three functions

Connectivity is enhanced with three-in-one USB Type-C connectivity, enabling screen mirroring, touch control and external device charging (max. 65W)*, allowing educators to deliver interactive and engaging lessons without any hassle.

* Power delivery varies by model.

SmartView+

Smart, wireless sharing from multiple devices

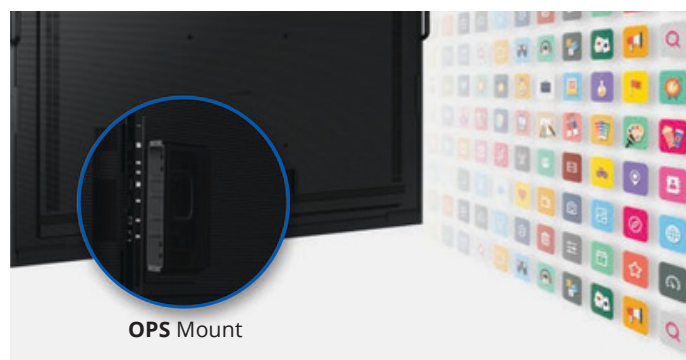
With SmartView+, up to 50 devices can be simultaneously connected to the interactive display wirelessly, in addition to enabling multi-view on up to 6 screens, ideal for larger meeting rooms as well as digitized classrooms.



AirPlay 2

Share with 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, while ensuring no student misses out on important information.



OPS Mount

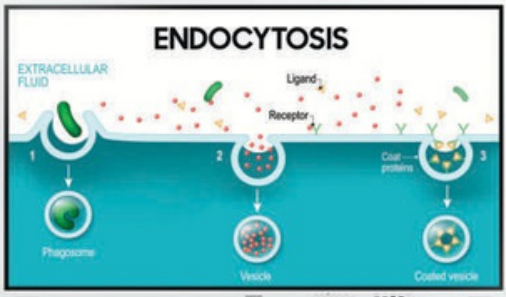
Use your favorite third-party education solutions

With OPS (Open Pluggable Specification) mount*, Flip Pro enables educators to use their third-party education solutions, allowing them to deploy school information systems (SIS), learning apps and tools.

* Sold separately.

** OPS mount is currently only available on WM75B and WM85B.

Solution



**Samsung
Knox**

- Window PC
- Mac
- Microsoft 365
- VMWare Horizon
- Boxlight MimioConnect
- Network Drive

Workspace

Access whatever you need, from anywhere

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

* Available apps may vary by region and require service subscription.

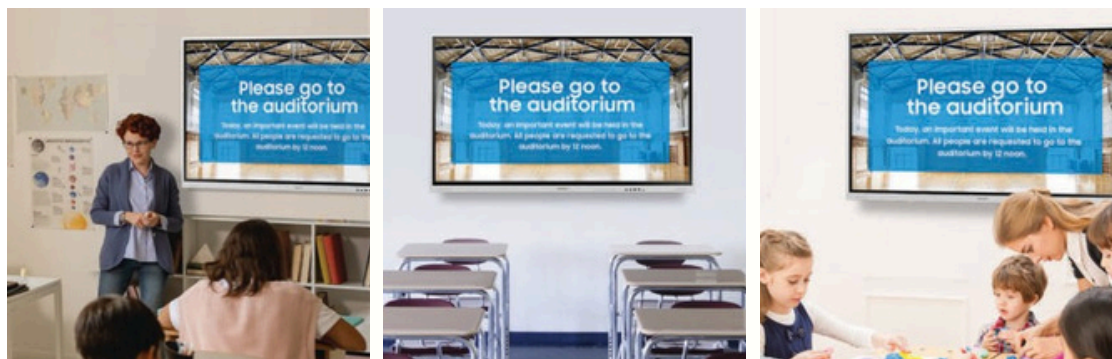


Boxlight MimioConnect

Optimize lesson planning with embedded learning solution

Flip Pro offers the MimioConnect* app, an online blended learning platform, providing an extensive catalog of versatile learning content.

* Service availability varies by region and requires Boxlight subscription.



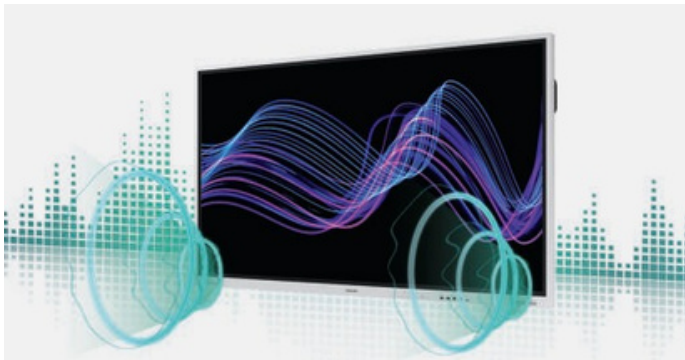
Remote content push

Keep informed with remote management solution

Using Samsung's MagicINFO Remote Management solution*, Flip Pro offers new functionality that pushes content, alerts and warnings from the school information system to the display, notifying teachers and students of important updates which can be pushed directly to Flip displays in every classroom.

* Requires MagicINFO license to use this service and SIS(School Information Service) should be separately built and integrated with MagicINFO.

Hardware



4.0Ch. 40W speaker

Engage learners with immersive sound

Flip Pro offers powerful 4-channel 40-watt speakers* front and backside to enhance students' listening experience, so they are more immersed in content when both watching and listening.

* Speaker option varies by model.

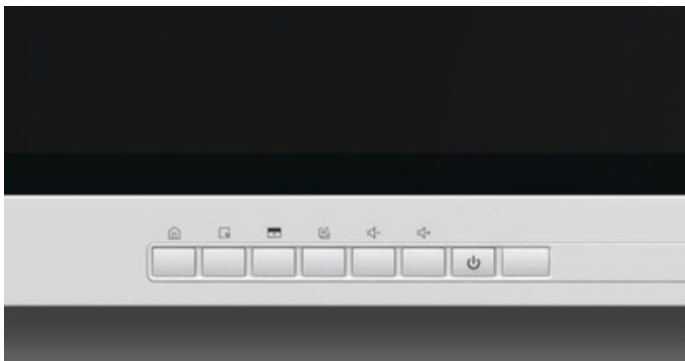


Ambient light sensor

Enjoy optimal content in any lighting conditions

The screen of Flip Pro is equipped with an ambient light sensor* to adjust the brightness according to lighting conditions. Whether the classroom is bright or dark, content can be enjoyed to the fullest.

* Ambient light sensor is currently only available on WM75B and WM85B.



Front panel

Access frequently used menu directly

Use functions and hotkeys faster and easier. Flip Pro puts the buttons that users most frequently use on the front panel* so they can access more easily and intuitively.

* Built-in front panel is currently only available on WM75B and WM85B.



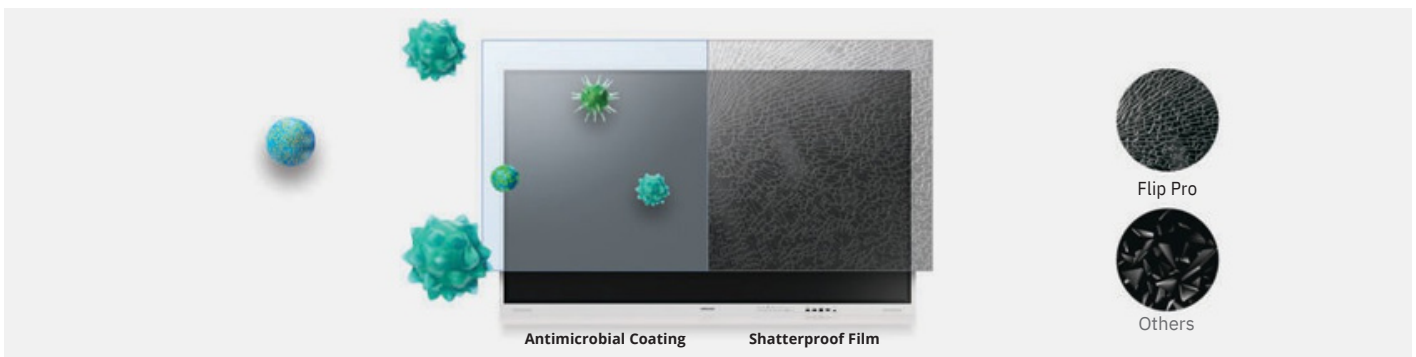
Rear handle

Easy moving. Less effort.

Move the Flip Pro display freely anywhere in the classroom. The rear handle helps teachers move the large display easily with little effort*.

* Requires separate standing mount to move which must be purchased separately.

* Rear handle is currently only available on WM75B and WM85B.



Protective screen technology

Clean screen and minimized damage risk

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.

* To perform its antibacterial function, this product has been treated with the biocidal substance Silver phosphate glass.

* Antibacterial property does not protect users against bacteria and provides no protection against viruses including Covid-19.

* Antimicrobial Coating is on surface of screen only and the effect may vary depending on conditions of use.

* For further details regarding regional restrictions on the antibacterial function, please refer to each country's Samsung.com website.

Application gallery

Versatility for various purposes, in any space

Samsung Flip Pro is available in a variety of sizes to suit any space in both corporate environments and education especially. Regardless of the size of a space, number of people or use case, Flip Pro is an optimal solution for users looking to enhance efficiency and creativity.

Corporate



Education



Specifications

Model			WM55B	WM65B
Panel	Diagonal Size		55"	65"
	Type		New Edge, 60Hz	New Edge, 60Hz
	Resolution		3,840 x 2,160 (Landscape)	3,840 x 2,160 (Landscape)
	Brightness(Typ.)		350cd/m2 (without glass)	350cd/m2 (without glass)
	Contrast Ratio(Typ.)		4000:1 (Typ.)(without glass)	4000:1 (Typ.)(without glass)
	Viewing Angle(H/V)		178:178	178:178
Sound	Response Time(G-to-G)		8ms(Typ.)	8ms(Typ.)
	Speaker Type		Built in Speaker (10W x 2CH)	Built in Speaker (10W x2CH)
Connectivity	INPUT	RGB	(Basic) HDMI 1, DP1, (With Tray) HDMI 1, USB-C	(Basic) HDMI 1, DP1, (With Tray) HDMI 1, USB-C
		VIDEO	N/A	N/A
		AUDIO	(Basic) USB 1, (With Tray) USB 2, USB External (In/Out) 1	(Basic) USB 1, (With Tray) USB 2, USB External (In/Out) 1
		USB	N/A	N/A
	OUTPUT	RGB	N/A	N/A
		VIDEO	1(Stereo Mini Jack)	1(Stereo Mini Jack)
		AUDIO	(Basic) Touch Out 1 (USB Upstream Type), (With Tray) Touch Out 1 (USB Upstream Type)	(Basic) Touch Out 1 (USB Upstream Type), (With Tray) Touch Out 1
		Touch Out	N/A	N/A
	INTERNAL	SENSOR	Touch Input	Touch Input
	EXTERNAL	CONTROL	RS232C thru stereo jack, RJ45(For MDC) Yes (Keyboard/Mouse,speaker)	RS232C thru stereo jack, RJ45(For MDC) Yes (Keyboard/Mouse,speaker)
Touch	BT/WiFi		IR	IR
	Type		20 touch (internal/external) * Whiteboarding app works 4 drawing	20 touch (internal/external) * Whiteboarding app works 4 drawing
	# of Drawing		Passive Pen with magnet 2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)	Passive Pen with magnet 2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)
	Touch Pen Type		6.7ms	6.7ms
	Object Recognition Range		26ms	26ms
	Touch Response Time		8%~12%	8%~12%
	Drawing Speed (Touch latency)		2.85T	3.2T
	Haze		Heat Semi-Strengthened Glass	Heat Semi-Strengthened Glass
	Thickness		AG Flim(Anti glare)	AG Flim(Anti glare)
	Hardness			
	Additional Film		Hydrophobic Coated PET (Shatter-proof flim)	Hydrophobic Coated PET (Shatter-proof flim)
	Power	Type		Antimicrobial Coating
Power Supply		Internal	Internal	
Power Consumption		Max[W/h]	AC100~240V 50/60Hz 154W(100~240V)	AC100~240V 50/60Hz 192.5W(100~240V)
		Typical[W/h]	95W	124W
		Rating[W/h]	140W	175W
		Stand-by[W/h]	0.5	0.5
Mechanical Spec	Dimension (mm)	Set	1297.4 x 768.2 x 59.9	1522.4 x 897.6 x 62.9
		Package	1464 x 915 x 190	1691 x 1055 x 198
	Weight (kg)	Set	28.6	39.7
		Package	35.9	48.2
	Color		Gray White	Gray White
	VESA Mount		400 * 400	400 * 400
	Protection Glass		Yes	Yes
	Stand Type		Stand / Wallmount (STN-WM55R / WMN4277SF)	Wallmount (WMN-WN65R)
	Media Player Option Type		N/A	N/A
	Rotation		Landscape & Portrait 3M /2.4M(US)	Landscape & Portrait 3M /2.4M(US)
Operation	Power Cable Length		Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black) Waranty/QSG
	Accessory		0°C~ 40°C	0°C~ 40°C
Feature	Operating Temperature		10 ~ 80%, non-condensing	10 ~ 80%, non-condensing
	Humidity		Flip App	Flip App
Accessories	Optional	Key	Landscape / Portrait	Landscape / Portrait
		Orientation	Touch module(IR), Built in Speaker(20W 2CH), WiFi/BT Module Embedded	Touch module(IR), Built in Speaker(20W 2CH), WiFi/BT Module Embedded
		H/W	Flip S/W (whiteboarding app)	Flip S/W (whiteboarding app)
		First screen	Document viewer	Document viewer
	S/W	Apps	SmartView+	SmartView+
			Video player	Video player
			Web browser	Web browser
			Workspace	Workspace
			(RDP/VNC, Microsoft 365, VMWare)	(RDP/VNC, Microsoft 365, VMWare)
			Edu tool	Edu tool
			mimioconnect(N.America Only)	mimioconnect(N.America Only)
			Yes	Yes
			Yes	Yes
			Yes	Yes
	Internal Player (Embedded H/W)	Processor	Pontus-M (Tizen 6.5)	Pontus-M (Tizen 6.5)
			CA72 Quad(1.7GHz)	CA72 Quad(1.7GHz)
32GB (2.65GB Occupied by O/S, 29.35GB Available)			32GB (2.65GB Occupied by O/S, 29.35GB Available)	
Tizen 6.5 : Samsung Proprietary OS(VDLinux)			Tizen 6.5 : Samsung Proprietary OS(VDLinux)	
Storage	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	
	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG		Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG	
	STN-WM55R		N/A (3rd party company stand can be supported through VESA)	
Operating System		WMN-4277SF	WMN-WM65R	
Security			-	-
Accessories	Optional	Stand	CY-TF65BBC	CY-TF65BBC
		Mount	Logitech RallyBar Plus	Logitech RallyBar Plus
		OPS Mount		
		Tray		
3rd party compatibility				

Model			WM75B	WM85B
Panel	Diagonal Size		75	85
	Type		New Edge, 60Hz	New Edge, 60Hz
	Resolution		3,840 x 2,160 (Landscape)	3,840 x 2,160 (Landscape)
	Brightness(Typ.)		350cd/m2 (without glass)	350cd/m2 (without glass)
	Contrast Ratio(Typ.)		4000:1 (Typ.)(without glass)	4000:1 (Typ.)(without glass)
	Viewing Angle(H/V)		178:178	178:178
Sound	Response Time(G-to-G)		8ms(Typ.)	8ms(Typ.)
	Speaker Type		Built in Speaker (10W x 4CH)	Built in Speaker (10W x 4CH)
Connectivity	INPUT	RGB	HDMI 2(Rear 1, Front 1), DP 1, USB C(Front), OPS I/F	HDMI 2(Rear 1, Front 1), DP 1, USB C(Front), OPS I/F
		VIDEO	N/A	N/A
		AUDIO	2(For SoC, Rear/Front), 1 (for external 3.0x1(Front))	2(For SoC, Rear/Front), 1 (for external 3.0x1(Front))
		USB	N/A	N/A
	OUTPUT	RGB	N/A	N/A
		VIDEO	1(Stereo Mini Jack)	1(Stereo Mini Jack)
		AUDIO	Touch Out 2 (USB Upstream Type, Front 1, Rear 1)	Touch Out 2 (USB Upstream Type, Front 1, Rear 1)
		Touch Out	N/A	N/A
	INTERNAL	SENSOR	Touch Input	Touch Input
		CONTROL	RS232C thru stereo jack, RJ45(For MDC)	RS232C thru stereo jack, RJ45(For MDC)
	EXTERNAL		Yes (Keyboard/Mouse, Speaker)	Yes (Keyboard/Mouse,speaker)
	Touch	BT/WiFi		IR
Type		20 touch (internal/external)	20 touch (internal/external)	
# of Drawing		* Whiteboarding app works 4 drawing	* Whiteboarding app works 4 drawing	
Touch Pen Type		Passive Pen with magnet 2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)	Passive Pen with magnet 2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)	
Object Recognition Range		6.7ms	6.7ms	
Touch Response Time		26ms	26ms	
Drawing Speed (Touch latency)		8%~12%	8%~12%	
Haze		3.2T	3.2T	
Thickness		Heat Semi-Strengthened Glass	Heat Semi-Strengthened Glass	
Hardness		AG Flim(Anti glare)	AG Flim(Anti glare)	
Additional Film				
Power		Type		Hydrophobic Coated PET (Shatter-proof flim)
	Power Supply		Antimicrobial Coating	Antimicrobial Coating
			Internal (Main 1ea, OPS 1ea)	Internal (Main 1ea, OPS 1ea)
	Power Consumption		AC100-240V 50/60Hz	AC100-240V 50/60Hz
		Max[W/h]	473W(100-240V), 451W(220-240V), OPS(16V/4.5A)	528W(100-240V), 506W(220-240V), OPS(16V/4.5A)
		Typical[W/h]	187W	197W
Rating[W/h]		430W(100-240V), 410W(220-240V), OPS(16V/4.5A)	480W(100-240V), 460W(220-240V), OPS(16V4.5A)	
Mechanical Spec	Dimension (mm)	Stand-by[W/h]	0.5	0.5
		BTU[W/h]	1612.93W(100-240V), 1537.91W(220-240V), OPS(16V/4.5A)	1800.48W(100-240V), 1725.46W(220-240V), OPS(16V/4.5A)
		Set Package	1724 x 1026.3 x 89	1945.8 x 1151.1 x 89
		Set	1905 x 1189 x 287	2136 x 1318 x 260
	Weight (kg)	Package	59.3	75.2
			72.2	91.6
	Color		Gray White	Gray White
	VESA Mount		400 * 400	600 * 400
	Protection Glass		Yes	Yes
	Stand Type		Wall Mount	Wall Mount
	Media Player Option Type		OPS Slot support	OPS Slot support
	Operation	Rotation		Landscape only
Power Cable Length		3M /2.4M(US)	3M /2.4M(US)	
Accessory		Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), Waranty/QSG	
Operating Temperature		0°C~ 40°C	0°C~ 40°C	
Humidity		10 ~ 80%, non-condensing	10 ~ 80%, non-condensing	
Key		Flip App	Flip App	
Feature	Orientation		Landscape	Landscape
	H/W		Touch Overlay(IR), Front Connectivity, OPS I/F Support(w/OPS Box) Built in Speaker(40W 4CH), WiFi/BT Module Embedded	Touch Overlay(IR), Front Connectivity, OPS I/F Support(w/OPS Box) Built in Speaker(40W 4CH), WiFi/BT Module Embedded
	S/W	First screen	Flip S/W (whiteboarding app)	Flip S/W (whiteboarding app)
			Document viewer	Document viewer
		Apps	SmartView+	SmartView+
			Video player	Video player
			Web browser	Web browser
			Workspace	Workspace
			(RDP/VNC, Microsoft 365, VMWare)	(RDP/VNC, Microsoft 365, VMWare)
			Edu tool	Edu tool
			mimioconnect(N.America Only)	mimioconnect(N.America Only)
			Yes	Yes
	Internal Player (Embedded H/W)	WebRTC	Yes	Yes
		Upgradable web engine	Yes	Yes
		SmartView+	Yes	Yes
		Airplay	Pontus-M (Tizen 6.5)	Pontus-M (Tizen 6.5)
Platform		Cortex A72 1.7GHz Quad-Core CPU 2MB L2	Cortex A72 1.7GHz Quad-Core CPU 2MB L2	
Processor		32GB (2.65GB Occupied by O/S, 29.35GB Available)	32GB (2.65GB Occupied by O/S, 29.35GB Available)	
Storage	Tizen 6.5 : Samsung Proprietary OS(VDLinux)	Tizen 6.5 : Samsung Proprietary OS(VDLinux)		
	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		
Operating System		Power Cord, USB Upstream Cable(1ea), Pen(2ea), Waranty/QSG	Power Cord, USB Upstream Cable(1ea), Pen(2ea), Waranty/QSG	
Security		N/A (3rd party company stand can be supported through VESA)	N/A (3rd party company stand can be supported through VESA)	
Accessories	Included		WMN6575SE	WMN8200SF
	Optional	Stand	CY-PBRK 200	CY-PBRK 200
		Mount	-	-
		OPS Mount	Logitech RallyBar Plus	Logitech RallyBar Plus
3rd party compatibility				

CY-TF65BBC (Tray for WM55B/WM65B only)			
Mechanical Spec	Dimension (mm)	Set	269.8 x 111.3 x 56.9
		Package	294 x 136 x 69
	Weight (kg)	Set	0.5
		Package	0.7
	Color		Gray White
Connectivity	Extra Connectivity Ports		USB 1
			USB External (In/Out) 1
			Touch Out 1
			HDMI 1
			USB-C 1
Accessories	Included		Installation Guide Screws

STN-WM55R (Stand for WM55B only)			
Mechanical Spec	Dimension (mm)	Set	835 x 1632.9 x 850.6
		Package	1650 x 860 x 208
	Weight (kg)	Set	34.5
		Package	41.5
	Color		Gray White
	VESA Mount		400 X 400
	Rotation		Yes
Accessories	Included		Installation Guide
Feature	Special	H/W	Slim Design No Assembly Required Installation

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Smart Signage

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