

# Interactive Display

## Flip 3

Imagine a new era of learning



### About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at [news.samsung.com](https://news.samsung.com).

### Smart Signage

For more information about Samsung Flip 3, visit [www.samsung.com/business](https://www.samsung.com/business) or [www.samsung.com/displaysolutions](https://www.samsung.com/displaysolutions)

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## What is Samsung Flip 3?

Samsung Flip 3 is a powerful education solution that delivers interactive learning experiences. Developed specifically for the education market, Flip 3 provides educators with boundless resources and flexibility to create engaging lessons for a new era of learning. Flip 3 features immersive touchscreen and input technologies, enabling simultaneous multi-user writing to provide increased involvement while learning. To get the most out of Flip 3's powerful hardware, students and teachers can access both trusted, embedded content or preferred third-party software. Samsung's latest technology enables secure environments, while faster hardware increases student engagement. Power seamless learning experiences for everyone with Samsung Flip 3.

## How does Samsung Flip 3 transform the classroom?

### Intuitive usability

- Upgrade • Multi-writing support up to 20 people
- Pen / Brush mode
- Limitless annotation
- Flexible image editing
- Versatile templates
- Content navigation
- Secure content protection

### Advanced convenience

- Upgrade • Embedded educational solution
- Upgrade • AirPlay 2
- Faster hardware
- Built-in document reader (MS Word, PowerPoint, Excel and Adobe PDF files)
- Web browser

### Enhanced safety

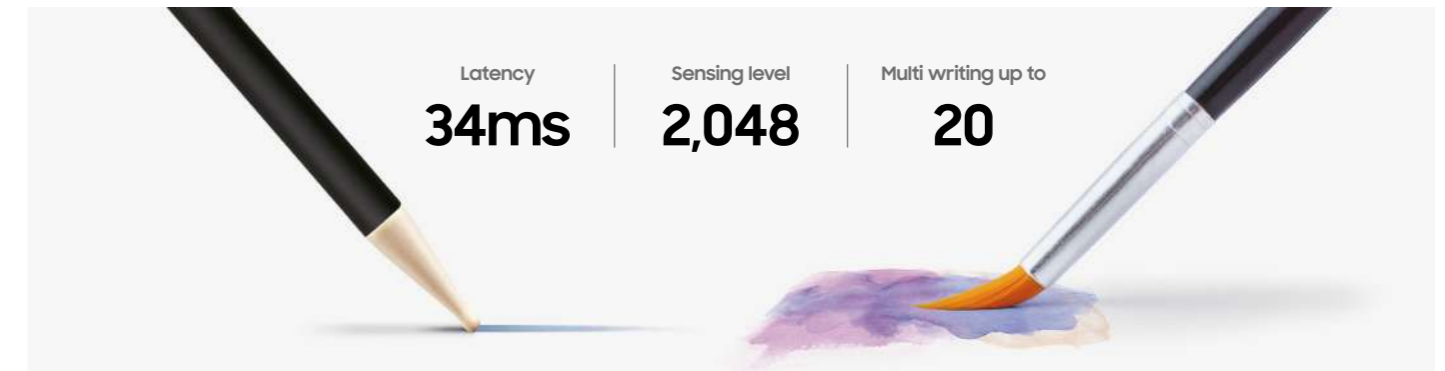
- Upgrade • Antimicrobial Coating
- Upgrade • Shatterproof protection

### Easy sharing & presentation

- Versatile connection (HDMI, USB, DP, OPS slot)
- Screen share
- Touch out control
- Easy content distribution

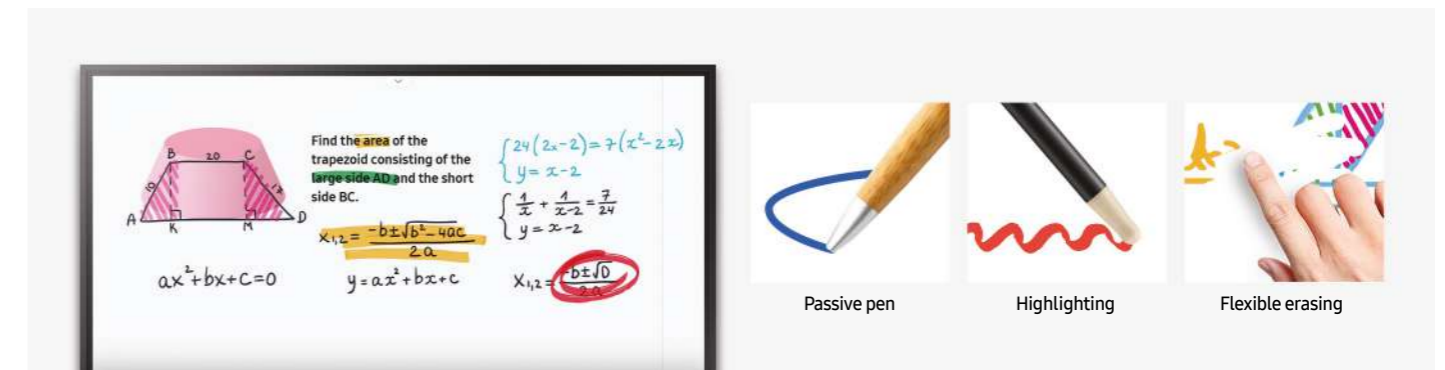
- HDMI
- USB
- DP
- OPS slot

## Intuitive usability



### Unlock creativity with immersive touch technology Upgrade

Ideate and create with interactive touchscreen technology. With support for up to 20 inputs at once, sketch out ideas with swift drawing speed at just 34ms of latency or paint with real-world accuracy with 2,048 points of pressure built directly into the display.



### Create and solve without limits

Interactions are intuitively built for problem solving and creating. Use any object near you as a stylus to bring your ideas to life. Flip 3 distinguishes between inputs from thin or thick objects to simulate on-screen writing and highlighting. Or simply erase content with your finger or palm.

## Enhanced safety



### Keep the screen clean Upgrade

Thanks to an Antimicrobial Coating, Samsung Flip 3 inhibits microbial growth to help protect against certain bacteria. This enables teachers and students to stay focused on what's on the screen with peace of mind.

\* To perform its antibacterial function, this product has been treated with the biocidal substance Silver phosphate glass.  
 \* Antimicrobial property does not completely 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.\* Antimicrobial certification: UL2282 which is granted when the antibacterial effectiveness is more than 99%.  
 (Test method (JIS Z 2801): after inoculation of 0.4cc of liquid with bacterial (Escherichia coli and Staphylococcus aureus) on specimen (5cm x 5cm), a sterilized film (4cm x 4cm) is adhered and left in a thermo-hygrostat with a relative humidity of 90% or more at 35°C for 24 hours, and then the efficiency of killing of the bacteria is measured / Test agency: KOTITI Testing & Research Institute)



### Minimize accidents and risks Upgrade

Samsung understands that accidents happen. To protect students and educators from injury, the Flip 3 screen is wrapped in a proprietary shatterproof film, ensuring the screen stays intact in the event of a break.

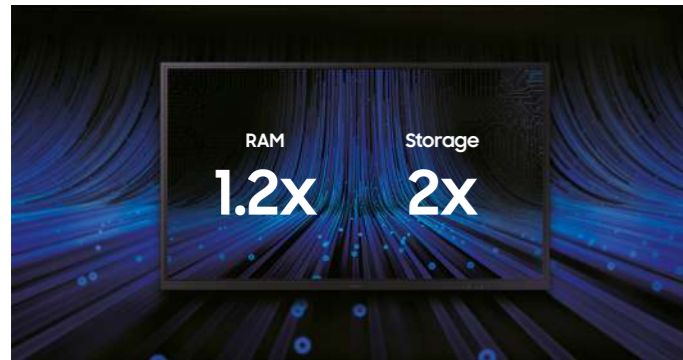
## Advanced convenience



### Explore trusted educational solutions [Upgrade](#)

Samsung partnered closely with Boxlight, a leading US education solution, to deliver fully optimized and innovative education software\* directly to Flip 3. Now, educators can access Boxlight's extensive catalog of versatile learning content for hassle-free lesson planning.

\*Accessible through a web browser shortcut. Full app availability available through a future software update.  
\* Requires Boxlight registration and subscription to use this service.



### Faster operation for seamless interactions [Upgrade](#)

Power faster device interactions with less load time with 20% more memory (RAM). Or download and save more interactive content while enjoying consistent, reliable performance thanks to two times more storage capacity.

\*When compared to Samsung Flip 2.

## Easy sharing & presentation



### Centralize lesson plans and school notifications

Use preferred third-party education solutions and connect to school information systems with the built-in OPS (Open Pluggable Specification) slot. Flip 3 is a centralized source for classroom learning and school-wide notifications such as principal announcements, weather alerts and fire drills.



### Seamless Streaming with AirPlay 2 [Upgrade](#)

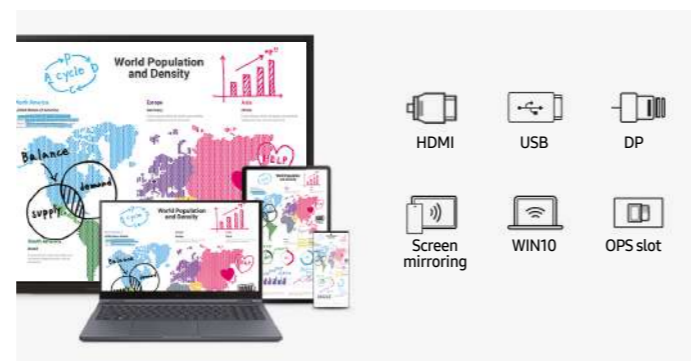
With AirPlay 2 built-in, it's easier than ever for teachers to add videos to their lesson plans. With seamless, wire-free setups, educators can stream videos from their personal Apple device to the classroom Flip 3 to maximize education time.

\* This service may not be available at the time of purchase of this product and the availability may vary by region.  
\* Images simulated for illustration purpose only.  
\* Availability of the feature and Graphic User Interface (GUI) may vary by region. Check before use.



### Conveniently source online content

Samsung Flip 3 now supports web browsing, allowing educators to access the internet directly through the display and source online educational material during their class, with no additional device needed. Now you can play videos or view sources without preloading in advance.



### Connect any device with ease

Flip 3 features multiple connectivity options, including USB, HDMI, DP, and OPS, as well as wireless screen sharing, to ensure educators can easily access their content from any device. Flip 3 automatically recognizes any plugged-in source, giving you control of your files and media quickly.

## Specifications

Model		WM75A	WM85A	
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)	
	Display Color	16.7M	16.7M	
	Viewing Angle(H/V)	178 :178	178:178	
Sound	Response Time(G-to-G)	6ms(Typ.)	6ms(Typ.)	
	Speaker Type	Built in speaker(10W x 2CH)	Built in Speaker (10W x 2CH)	
Connectivity	Input	RGB	N/A	
		Video	HDMI 2(rear1, front1), DP1, OPS I/F	HDMI 2(Rear1, Front1), DP1, OPS I/F
		Audio	N/A	N/A
		USB	2(For SoC, rear/front), 2(For external 2.0 x1/3.0 x1(front))	2(For SoC, Rear/Front), 2 (for external 2.0 x1/3.0x1(Front))
	Output	RGB	N/A	N/A
		Video	HDMI 1(Screen share in front)	HDMI 1 (Screen Share in Front)
		Audio	1(Stereo mini jack)	1(Stereo Mini Jack)
		Touch Out	Touch out 2(USB upstream type, front 1, rear1)	Touch Out 2 (USB Upstream Type, Front 1, Rear1)
	Internal	Sensor	N/A	N/A
	External	Control	Touch input RS232C thru stereo jack, RJ45(For MDC)	Touch Input RS232C thru stereo jack, RJ45(For MDC)
Touch	BT/WiFi	Yes(Keyboard/Mouse)	Yes (Keyboard/Mouse)	
	Type	IR	IR	
	# of Drawing	4 drawing(Internal) 20 drawing(External)	4 drawing (Internal) 20 touch (External)	
	Touch Pen Type	Passive pen with magnet	Passive Pen with magnet	
	Object Recognition Range	2mm/4mm/8mm/50mm (Brush mode : Dynamic object recognition)	2mm/ 4mm / 8mm / 50mm (Brush Mode : Dynamic Object Recognition)	
	Haze	8%~12%	8%~12%	
	Thickness	3.2T	3.2T	
	Hardness	Heat semi-strengthened glass	Heat Semi-Strengthened Glass	
	Additional Film	AG, Hydrophobic coated PET	AG, Hydrophobic Coated PET	
	Type	Internal(Main tea, OPS tea)	Internal (Main tea, OPS tea)	
Power	Power Consumption	Power Supply	AC100~240V 50/60Hz	AC100~240V 50/60Hz
		Max[W/h]	275	418 (OPS 19V/3.7A)
		Typical[W/h]	115	151
		Rating[W/h]	250	380 (OPS 19V/3.7A)
		Stand-by[W/h]	0.5	0.5
		BTU[W/h]	937.75	1,425.38 (OPS19V/3.7A)
Mechanical Spec	Dimension(mm) (W x H x D)	Set	1,721 x 1,019.3 x 75.2 mm	1942.8 x 1144.1 x 69.4 mm
		Package	1,905 x 1,182 x 287 mm	2136 x 1311 x 260 mm
		Weight (kg)	Set	58.3 kg
		Package	71.7 kg	91.5 kg
	Color	Charcoal black	Charcoal Black	
	VESA Mount	400 x 400	600 x 400	
Protection Glass	Yes	Yes		
Stand Type	Wall mount	Wall Mount		
Media Player Option Type	OPS slot support	OPS Slot support		
Rotation	Landscape only	Landscape only		
Power Cable Length	3M/2.4M(US)	3M /2.4M(US)		
Operation	Accessory	Power cord, USB upstream cable(2ea), Pen(2ea, Black), OPS box, Warranty/QSG	Power Cord, USB Upstream Cable(2ea), Pen(2ea, Black), OPS Box, Warranty/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	
	Orientation	Landscape	Landscape	
	Feature	Special	H/W	Touch overlay(IR), Front connectivity, OPS I/F support(w/OPS Box) Built in speaker(10W x 2), WiFi/BT module embedded
S/W			Flip S/W	Flip S/W
Platform		Muse-M(Tizen 6.0)	Muse-M (Tizen 6.0)	
Processor		CA72 quad(1.7GHz) 2MB L2	CA72 Quad(1.7GHz) 2MB L2	
On-Chip Cache Memory		L2 : 2MB	L2 : 2MB	
Clock Speed		1.7GHz CPU quad	1.7GHz CPU Quad	
Main Memory Interface		LPDDR4 1.6GHz 64bit 3.0GB	LPDDR4 1.6GHz 64bit 3.0GB	
Graphics		GPU : MaliG51 MP4@760MHz	GPU : MaliG51 MP4@760MHz	
Storage		16GB	16GB	
IO Ports		USB 2.0	USB 2.0	
Operating System	Tizen 6.0 : Samsung proprietary OS(VDLinux)	Tizen 6.0 : Samsung Proprietary OS(VDLinux)		
Certification	Security	802.1x(WPA2 enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	
	Included	Power cord, USB upstream cable(2ea), Pen(2ea, Black), OPS box, Warranty/QSG	Power Cord, USB Upstream Cable(1ea), Pen(2ea, Black), OPS Box, Warranty/QSG	
Accessories	Optional	Wall Mount	WMN6575SE	WMN82005F
		Specialty	Flip UX	Flip UX