

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, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

Smart Signage

For more information about Samsung Flip 3, visit www.samsung.com/business or 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

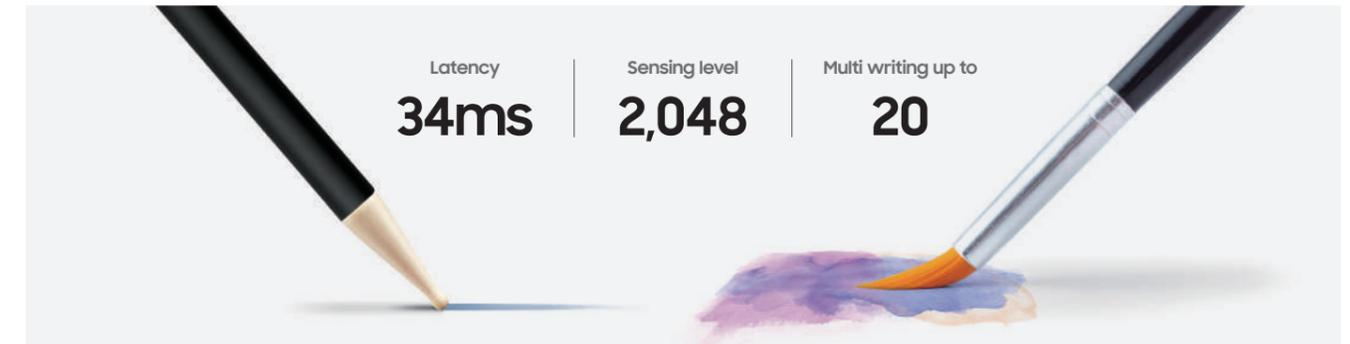
- Upgrade • Antimicrobial Coating
- Upgrade • Shatterproof protection

Easy sharing & presentation

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

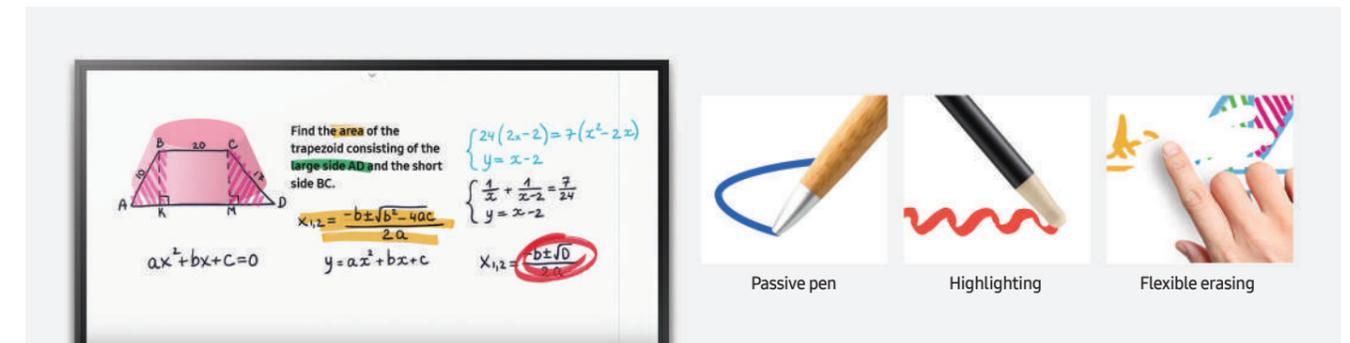
- HDMI
- USB
- DP
- OPS slot

Intuitive usability



Unlock creativity with immersive touch technology Upgrade

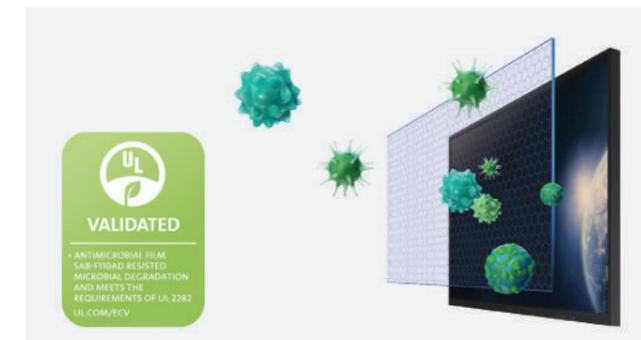
Ideate and create with interactive touchscreen technology. With support for up to 20 inputs at once, sketch out ideas with swift drawing speed at just 34ms of latency or paint with real-world accuracy with 2,048 points of pressure built directly into the display.



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.

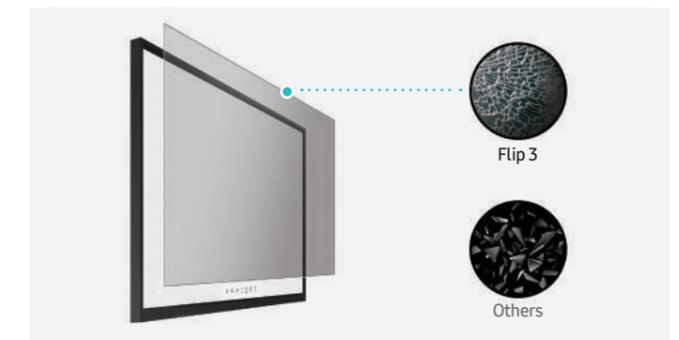
Enhanced safety



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.

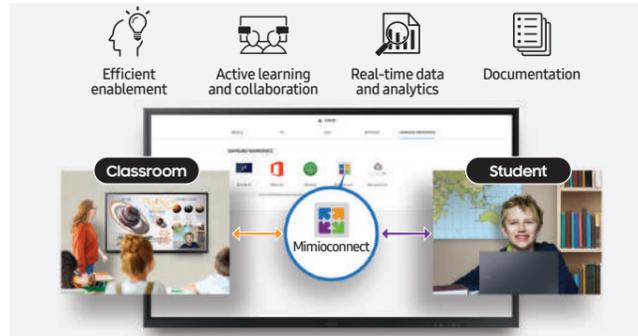
* To perform its antibacterial function, this product has been treated with the biocidal substance Zinc Pyrithione.
 * Antibacterial property does not completely protect users against bacteria and provides no protection against viruses including Covid-19.
 * Antimicrobial Coating is on surface of screen only and the effect may vary depending on conditions of use.
 * Antibacterial 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 bacteria (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: FITI Test Research Institute)
 * For further details regarding regional restrictions on the antibacterial function, please refer to each country's Samsung.com website.



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.

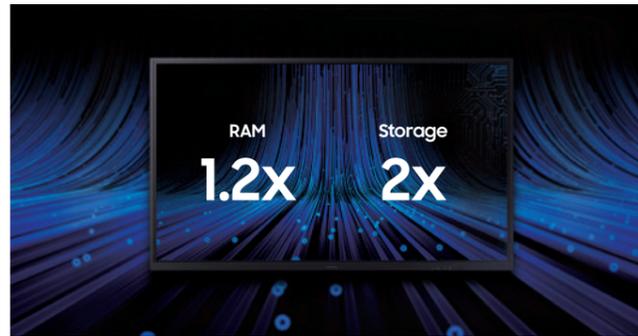
Advanced convenience



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.

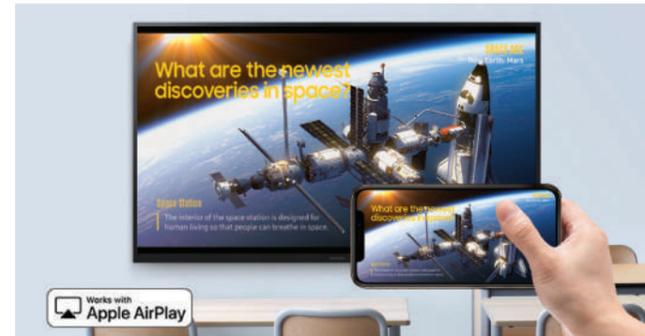
*When compared to Samsung Flip 2.

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.



Connect multiple devices 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 plugged-in sources, giving you control of your files and media quickly.



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)
BT/WiFi		Yes(Keyboard/Mouse)	Yes (Keyboard/Mouse)	
Touch	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 Supply	AC100~240V 50/60Hz	AC100~240V 50/60Hz	
Power	Power Consumption	Max[W/h]	275	
		Typical[W/h]	115	
		Rating[W/h]	250	
		Stand-by[W/h]	0.5	
		BTU[W/h]	937.75	
				1,425.38 (OPS 19V/3.7A)
Mechanical Spec	Dimension(mm) (W x H x D)	Set	1,721 x 1,019.3 x 75.2 mm	
		Package	1,905 x 1,182 x 287 mm	
		Weight (kg)	Set	58.3 kg
			Package	71.7 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	
Platform			Muse-M(Tizen 6.0)	
Internal Player (Embedded H/W)		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	
Accessories	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	
	Optional	Wall Mount	WMN6575SE	
	Specialty	Flip UX	Flip UX	