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Samsung Flip

For more information about Samsung Flip, visit
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Samsung Flip

Flip the future of collaboration

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What is Samsung Flip?

Samsung Flip is an intuitive and easy to use digital flipchart, for any meeting environment. In 2019, the latest in the Flip lineup has been added to Samsung's portfolio, offering greater collaboration capabilities in an easy UI. The bigger 65-inch screen expands the usability of the display while the no gap wall mount removes any unnecessary space between the product and the wall. An advanced digital experience provides a host of new features, including brush mode, annotation on, merge to roll, and other collaboration tools. The Flip allows teams to work smarter, faster and better.

Intuitive pen & paper writing experience

- Pen Mode
- **NEW** • Brush Mode
- Passive Pen
- Flexible Erasing
- **NEW** • Merge to Roll
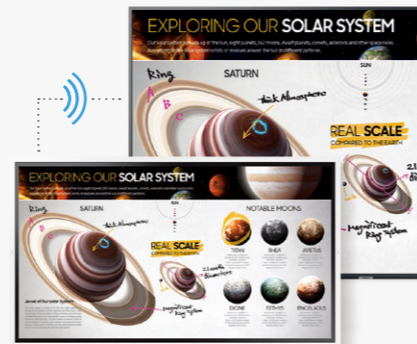- **NEW** • Annotation On
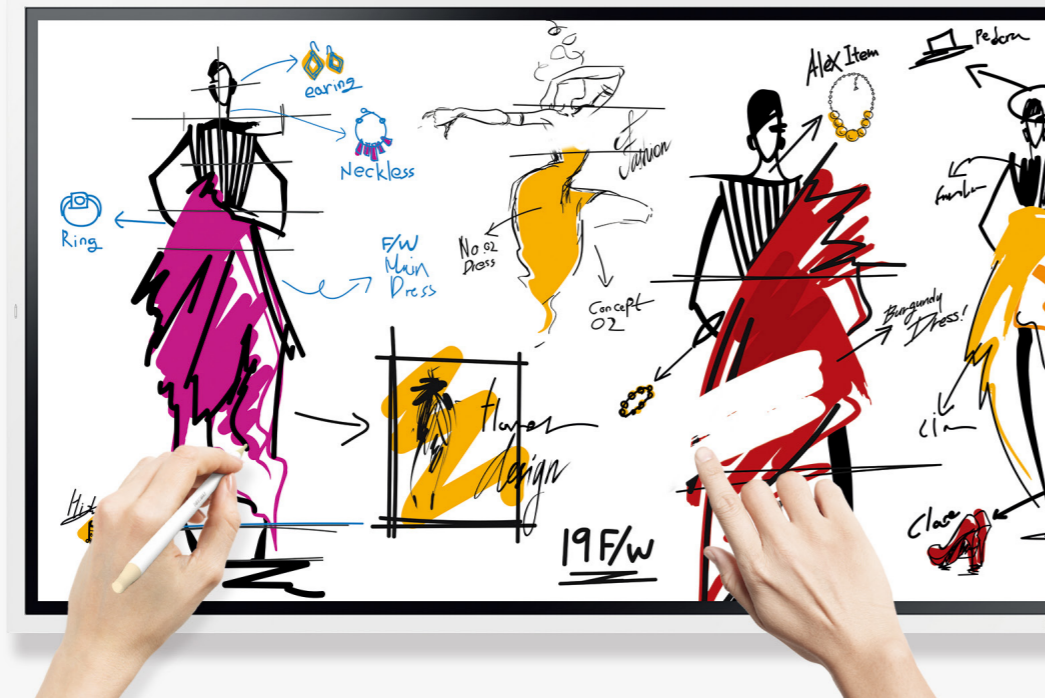
Enhanced Collaboration

- Multi Writing up to 4
- Capture
- **NEW** • Selection Tool
- Seamless Scroll
- Quick Finder
- Internal Storage

Easy sharing & presentation

- Versatile Connectivity
- **NEW** • Screen Share
- Document Viewer
- Remote PC
- **NEW** • Bluetooth Support
- Touch Out

Analog to digital showcase

- UHD Display
- Custom Screensaver
- Screen Lock
- **NEW** • Various Form Options

Advanced convenience

WPA2   File Security   LDAP   Remote Control

- WPA2
- LDAP
- Content Lock
- OTN
- **NEW** • Remote Management

Business applications

SMB
Samsung's Flip allows greater collaboration among company employees and stakeholders, enabling efficient teamwork and the sharing of new ideas.

Large enterprise
The Flip can synchronize to another large digital display using Wi-Fi network or HDMI connection, making it ideal for large meeting environments.

K-12
The Flip is the next generation of collaborative learning for classrooms, serving as an innovative upgrade to analog boards to keep kids engaged.

Higher education
Samsung's Flip allows educators to embrace active learning and enable students to generate new ideas, share and learn together.
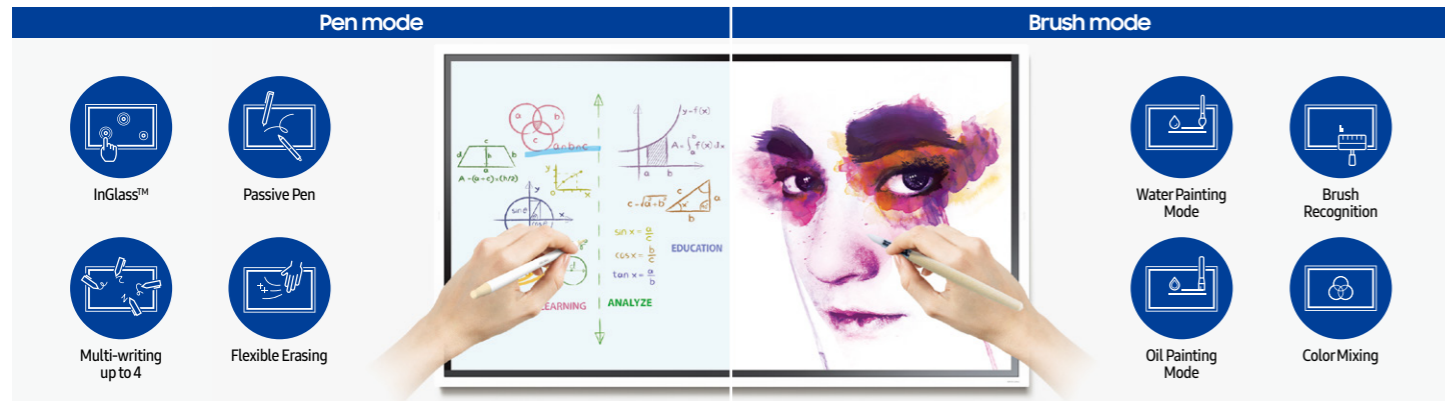

Retail
The Flip can attract customers in a variety of ways, such as becoming a menu board or interactive whiteboard, bringing retailer's offerings to life.

Hotel
Hotels can efficiently and intuitively arrange and manage conference schedules being hosted at their venue, using the Samsung Flip.

Key features: WM65R

Pen mode	Brush mode
InGlass™, Passive Pen, Multi-writing up to 4, Flexible Erasing	Water Painting Mode, Brush Recognition, Oil Painting Mode, Color Mixing

Pen mode & Brush mode notation
Draw, write & inspire new ideas

Samsung Flip provides smooth and familiar pen-to-paper-like writing in a variety of colors, styles and widths, while Brush Mode allows users to create art at the stroke of a brush in water and oil painting modes. Up to 4 people can write simultaneously and erase drawings with a finger or palm swipe.


Annotation on
Write on any background

Samsung Flip allows users to write on any background source. By simply clicking the note layer button, users can enjoy smooth writing anytime, anywhere on any content displayed, without affecting any work behind the original layer.


Selection tool & Merge to roll
Flexible image editing

Bringing versatility to the board. With Samsung Flip, users can quickly and easily select, move, crop, capture, and edit any images. Each Image can also be merged to the roll with just one click of a button, allowing it to be edited or erased.
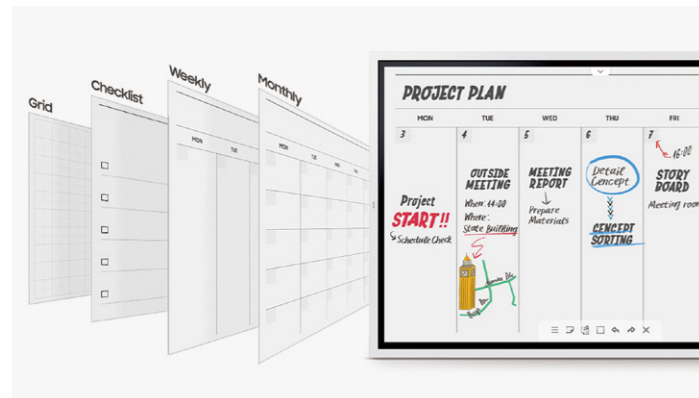
Various form options
Suitable for all business needs

Samsung Flip can be used for a wide range of business applications, providing embedded versatile templates. You can use the Flip as a calendar, scheduler, note or checklist board. Samsung Flip perfectly matches any business need, enabling users to utilize the display in various customized ways.
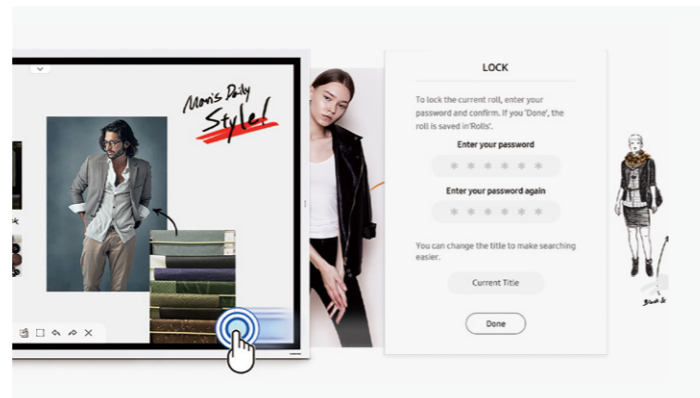
Scroll & Lock
Easy content navigation & protection

Samsung Flip has up to 20 pages of writing space per roll, allowing users to seamlessly scroll through pages. In addition, the Flip ensures that confidential meeting information remains in the right hands. Its reinforced lock system allows users to safeguard sensitive content from view.
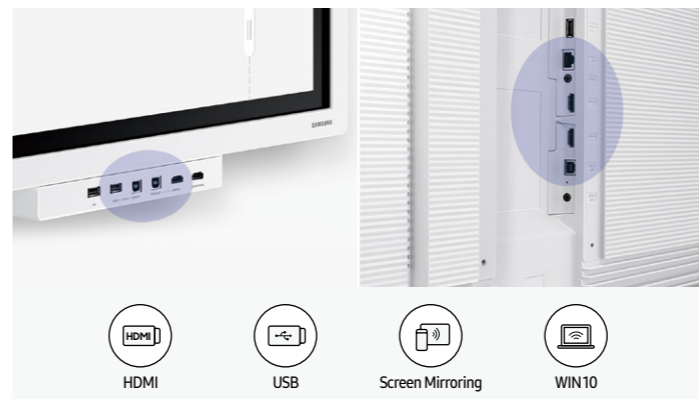

Wi-fi Out — HDMI Out

Screen share
Large audience sharing

Users can project content on Samsung Flip to another large digital display in real time, using Wi-Fi network or HDMI out connection. Even connected to a personal device, the Flip display can be shared. This feature is ideal for large meeting environments, delivering information to bigger audiences.

HDMI — USB — Screen Mirroring — WIN10

Versatile connectivity
Multiple connection options

Users are empowered by the Flip's versatile connection options. USB, HDMI, NFC and screen sharing capabilities enable optimum collaboration and provide interactive content visibility, notation and sharing. The Flip also offers an optional tray as a more powerful connectivity extension.

UHD display & Tizen OS
Precise visuals with powerful operation

Samsung Flip displays all content in clear UHD picture quality, regardless of the room, creating a compelling meeting environment. Backed by the powerful Tizen 5.0 operating system for a seamless user experience, embedded sensors automatically activate the display when the screen is knocked.

Remote PC & Bluetooth support
Connect from anywhere

The Samsung Flip allows users to connect their PC to the board remotely, meaning any meeting can be started without a PC to avoid delays and ensure efficiency. A Bluetooth keyboard, mouse and speaker can also be connected to the Flip, creating a convenient meeting environment.

E-mail — Printer — USB — Network Storage — Wifi-Direct

Easy sharing
Effortless meeting recap distribution

Following any meeting, users can distribute recaps to all attendees and colleagues, removing the frustration traditionally associated with handwritten meeting notes. Important conversations and content are stored within the Flip in real-time, easily shareable across mobile and digital channels.

- **WPA2 (802.1x based standard)** Secure wireless connectivity
- **LDAP (Lightweight Directory Access Protocol)** Connect to an enterprise user database
- **OTN (Over the Network)** Automatic firmware updates
- **File Security** Set to delete files regularly
- **Remote Management** Secure wireless connectivity
- **Remote Firmware Update** Secure wireless connectivity

Advanced convenience
Convenient, optimized management

Samsung Flip offers a host of improved capabilities, including secure wireless connection, automatic firmware updates, LDAP synchronization, file security and remote management – ensuring a convenient and productive meeting experience.

New features: WM55H

Anotatation On

Remote Management

The Samsung Flip 55" provides two new features for enhanced collaboration. Firstly, annotation on mode allows users to add a layer on top of the display, allowing users to write on any background source. While remote monitoring offers auto save, auto power off and proxy server settings, in addition to allowing files to be deleted remotely, offering improved centralized management.

Feature list

Intuitive pen & paper experience	Enhanced collaboration	Easy sharing & presentation	Analog to digital showcase	Advanced convenience
• Pen Mode	• Multi Writing up to 4	• Versatile Connectivity	• UHD Display	• WPA2
• Passive Pen	• Capture	• Document Viewer	• Custom Screensaver	• LDAP
• Flexible Erasing	• Seamless Scroll	• Remote PC	• Screen Lock	• Content Lock
NEW • Annotation On	• Quick Finder	• Touch Out		• OTN
	• Internal Storage			**NEW** • Remote Management

Specifications

Model			WM55H	WM65R
Panel		Diagonal Size	55"	65"
		Type	60Hz E-LED	60Hz New Edge
		Resolution	3,840 x 2,160 (Landscape), 2,160 x 3,840 (Portrait)	3,840 x 2,160 (Landscape)
		Brightness(Typ.)	300 (without glass), 220 (with glass)	350 (without glass), 220 (with glass)
		Contrast Ratio(Typ.)	4700:1 (Typ.)(without glass)	4000:1 (Typ.)(without glass)
		Viewing Angle(H/V)	178-178	178-178
		Response Time(G-to-G)	8ms(Typ.)	8ms(Typ.)
Sound		Speaker Type	Built in Speaker(10W x 2)	Built in Speaker(10W x 2)
Connectivity	INPUT	VIDEO	HDMI1	(Basic) HDMI 2, (With Tray) HDMI 3
		USB	USB 2 (ver 2.0x2, Side1, Sensor Assy1)	(Basic) USB1, (With Tray) USB 2, USB External (In/Out)1
	OUTPUT	Touch Out	Touch Out 1 (Side, USB Upstream Type)	(Basic) Touch Out 1 (USB Upstream Type), Audio Out1 (With Tray) Touch Out 2, Audio Out 1, Screen Share(HDMI-Out)1
	INTERNAL	SENSOR	NFC, Acceleration sensor, Proximity Sensor	(Basic) Acceleration sensor, (With Tray) Acceleration sensor, NFC
	EXTERNAL	CONTROL	Touch Input, RJ45 (not for User Control)	RS232C, LAN, WiFi/BT
Touch		Type	Advanced IR	InGlass™
		# of Drawing	4 drawing	4 drawing (1024 level touch recognition)
		Touch Pen Type	Passive Pen	Passive Pen with magnet
		Object Recognition Range	2mm/ 4mm / 8mm / 50mm	2mm/ 4mm / 8mm / 50mm , 1024 Level on Brush Mode
		Touch Response Time	38ms ~ 46ms (According to number of Multi Drawing)	6.7ms
Power		Type	Internal	Internal
		Power Supply	AC100~240V 50/60Hz	AC100~240V 50/60Hz
	Power Consumption	Max[W/h]	165	181.5
		Typical[W/h]	100	100
		Rating[W/h]	150	165
		Stand-by[W/h]	0.5	0.5
		BTU[W/h]	562.65	618.915
Mechanical Spec	Dimension (mm)	Set	1302.6(W) x 805.5(H) x 52.0(D) mm	1522.4(W) x 62.9(H) x 897.6(D) mm
		Package	1469(W) x 924(H) x 210(D) mm	1691(W) x 198(H) x 1055(D) mm
	Weight (kg)	Set	28.9	40.0
		Package	34.9	50.6
		Color	Light Gray	Light Gray
		VESA Mount	400 x 400	400 x 400
		Protection Glass	Yes	Yes
		Stand Type	Moving Stand(Acc), Wall Mount	No-Gap Wall Mount
		Rotation	Available with Flip Stand (Rotation Sylinder Included)	Landscape only with Flip No-Gap Wallmount (Available with rotation support 3rd party accessory as sensor/portrait UX already applied on Flip)
		Power Cable Length	3m	3m
		Accessory	Cover-Jack	Cover-Jack
Operation		Operating Temperature	0°C~ 40°C	0°C~ 40°C
		Humidity	10~80%	10~80%
Feature		Key	Flip App	Flip App
	Special	H/W	Super Clear Coating, Temperature Sensor, Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2), WiFi Module Embedded	Super Clear Coating, Temperature Sensor, Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2), WiFi Module Embedded
		S/W	Flip S/W	Flip S/W
		Platform	Kant-M (Tizen 3.0)	Muse-M (Tizen 5.0)
	Internal Player (Embedded H/W)	Processor	CA72 Quad(1.7GHz)	CA72 Quad(1.7GHz)
		On-Chip Cache Memory	L1 (I/D) : 32KB / 32KB, L2 (Unified) : 1MB	L1 (I/D) : 32KB / 32KB, L2 (Unified) : 1MB
		Clock Speed	1.7GHz CPU Quad	1.7GHz CPU Quad
		Main Memory Interface	LPDDR4 1400MHz 64bit 3GB	LPDDR4 1.6GHz 64bit 2.5GB
		Graphics	2D & 3D Graphics Engine - Up to 1920x1080. 32bpp - Supports OpenGL ES	2D & 3D Graphics Engine - Up to 1920x1080. 32bpp - Supports OpenGL ES
		Storage	8GB (2.65GB Occupied by O/S, 5.35GB Available,)	8GB (2.65GB Occupied by O/S, 5.35GB Available)
		IO Ports	USB 2.0	USB 2.0
		Operating System	Samsung Proprietary OS(VDLinux)	Samsung Proprietary OS(VDLinux)
Accessories	Included		Passive Pen(2), Power Cable, Touch Out Cable (USB upstream)	Passive Pen(2), Power Cable, Touch Out Cable (USB upstream)
	Optional	Stand (55") / Tray (65")	STN-WM55H	CY-TF65BRC
		Mount	WMN-6575SE	WMN-WM65R
		Specialty	Flip UX	Flip UX

Stand for Flip 55"

Mechanical Spec	Dimension (mm)	Set	1023(W) x 1611(H) x 991(D) mm
		Package	1,682(W) x 221(H) x 1,038(D) mm
	Weight (kg)	Set	31.7
		Package	41.8
	Color		Light Gray
	VESA Mount		400 X 400
	Rotation		Pivot Supports (90°)
Connectivity	Extention Connectivity from SET		HDMI 1 / Touch Out 1 / RJ45 1 /Power1
Accessories	Included		Installation Guide
Feature	Special	H/W	Rotation(4-Wheels), Pivot(90°), Pen & NotePC Tray (Rear)

Wallmount for Flip 65"

Mechanical Spec	Dimension (mm)	Set	520(W) x 280.3(H) x15.9(D) mm
		Package	594(W) x 337(H) x 75(D) mm
	Weight (kg)	Set	1.75
		Package	3.2
	Color		Light Gray
	VESA Mount		400 X 400
	Rotation		N/A
Accessories	Included		Installation Guide, Screws
Feature	Special	H/W	No-Gap Spacing Extra Bracket for strong fixation

Optional Tray for Flip 65"

Mechanical Spec	Dimension (mm)	Set	269.8(W) x 111.3(H) x 56.9(D) mm
		Package	294(W) x 136(H) x 69(D) mm
	Weight (kg)	Set	0.5
		Package	0.7
	Color		Light Gray
Connectivity	Extra Connectivity Ports		USB1
			USB External (In/Out) 1
			Touch Out 1
			HDMI-In 1
			HDMI-Out(Screen Share)1
			NFC 1
Accessories	Included		Installation Guide, Screws
Feature	Special	H/W	Easy install with dock connector Front facing connector for BYOD usage

※ Specifications on the table are flexible and subject to change under certain circumstances.